



US Army Corps
of Engineers

MONITORING COMPLETED COASTAL PROJECTS PROGRAM

TECHNICAL REPORT CERC-92-5

2

A STUDY OF GEOLOGIC AND HYDRAULIC PROCESSES AT EAST PASS, DESTIN, FLORIDA

AD-A254 877



Volume II

Appendices C Through K

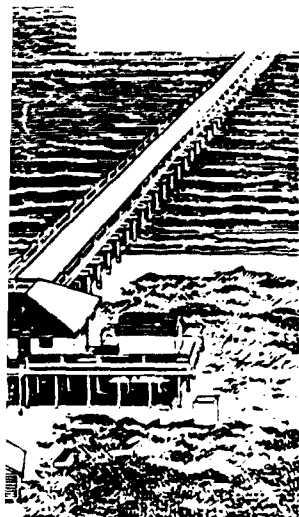
by

Andrew Morang

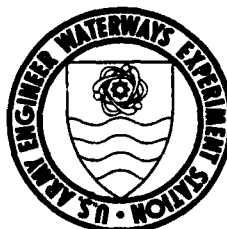
Coastal Engineering Research Center

DEPARTMENT OF THE ARMY

Waterways Experiment Station, Corps of Engineers
3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199



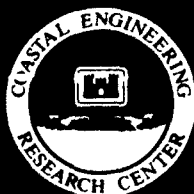
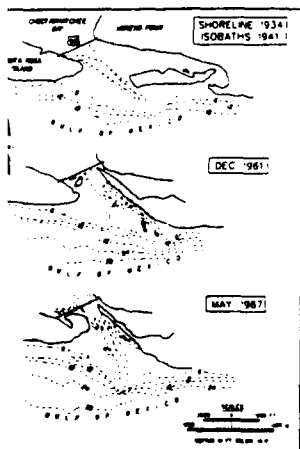
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April 1992

Final Report

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REPORT DOCUMENTATION PAGE

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12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution is unlimited			12b. DISTRIBUTION CODE
13. ABSTRACT (Maximum 200 words) From 1983 to 1991, the Coastal Engineering Research Center and US Army Engineer District, Mobile, monitored waves, currents, tidal elevations, bathymetry, and shoreline changes at East Pass Inlet, Destin, FL. Based on these data and on historical records, a three-phase model has been developed that describes the inlet's behavior during the last 120 years: <ul style="list-style-type: none"> a. Phase 1 (pre-1928), spit development and breaching, covering the period when the inlet was oriented northwest-southeast between Choctawhatchee Bay and the Gulf of Mexico. b. Phase 2 (1928-1968), stable throat position but main ebb channel that migrated over a developing ebb-tidal shoal. This phase covers the time after the inlet breached Santa Rosa Island in a north-south direction and then migrated eastward. c. Phase 3 (1968-present), after rubble-mound jetties were built, the throat and main ebb channel were stabilized, while ebb-tidal shoal grew. Despite the jetties, East Pass has continued to try to move eastward. The driving forces of the eastward migration are hypothesized to be (a) wave forces--the predominant wave direction measured in <div style="text-align: right;">(Continued)</div>			
14. SUBJECT TERMS Choctawhatchee Bay Destin Directional wave measurements East Pass Florida Panhandle Hydraulic measurements Tidal elevations Tidal inlet Weir-jetty systems			15. NUMBER OF PAGES 166 16. PRICE CODE
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT

13. ABSTRACT (Continued).

10-m water depth is from the southwest, while the shore trends east-west; (b) backbay tidal channel and flood-tidal shoal geometry direct ebb currents towards the eastern shore of the inlet; (c) because of freshwater inputs, the ebb flow is longer in duration and higher in velocity than the flood. Maximum measured ebb currents in the inlet are over 5.0 ft/sec (1.5 m/sec), producing a discharge of about 90,000 cu ft/sec (2,500 cu m/sec).

Maintaining the inlet in its present location is expected to be increasingly difficult as erosion along the east shore, driven by the inlet's inexorable eastward migration, continues. Major engineering work may be needed to prevent the inlet from bypassing the landward end of the east jetty.

To maintain a 12- by 180-ft navigation channel, the dredging rate between 1951 and 1991 has been 97,000 cubic yards/year (74,000 cubic metres/year). The construction of the jetties did not reduce this rate. A minor reduction may be possible by relocating sections of the channel within the inlet. Significant dredging reduction may be possible only by reducing project depth.

Appendix C

Directional Wave Data,

1987 -1990

East Pass, Florida

(Data collected near Okaloosa County Pier, Fort Walton Beach, Florida)

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Notes and Definitions:

WAVE DATA COLLECTION:

Current and wave instruments and sensors:

Sea Data 635-9 and 635-12 directional wave gages. Paros Scientific Quartz Pressure Sensor. Height of pressure sensor above seafloor: 1.219 m. Marsh McBirney Electromagnetic Water Current Sensor. Height of current sensor above seafloor: 1.494 m.

Mount:

Steel tripod manufactured at Prototype Measurement and Analysis Branch (PMAB).

Location:

10-m water depth off Okaloosa County fishing pier, Fort Walton Beach, Florida.

Recording media:

Digital data cassettes, downloaded at PMAB.

WAVE DATA QUALITY CONTROL AND ERROR CHECKING:

Procedures described in: Morang, A. 1990. "Quality Control and Management of Oceanographic Wave-Gage Data," Instruction Report CERC-90-1, US Army Engineer Waterways Experiment Station, Vicksburg, MS.

SPECTRAL ANALYSIS PROGRAM PUV VERSION 3.5:

Developed by:

Prototype Measurement and Analysis Branch, Coastal Engineering Research Center, USAE Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, MS

Purpose of Program:

Spectral analysis of directional wave data collected in the coastal zone by Sea Data 635-9 or 635-12 wave gages.

Directional energy distribution:

Adapted from: Longuet-Higgins, M.S., Cartwright, D.E., and Smith, N.D. 1963. Observations of the Directional Spectrum of Sea Waves Using the Motions of a Floating Buoy. OCEAN WAVE SPECTRA, Prentice-Hall, Englewood Cliffs, New Jersey, p. 111-136.

Reporting convention for directions:

The direction of waves is that **FROM WHICH** the waves have come (i.e., a 180 deg wave is coming from the south). The direction of currents is that **TO WHICH** the

currents are flowing (i.e., a current direction of 90 deg means that current is flowing to the east). The directions have been corrected to true north (TN).

Terms used in tabular listing:

Wave burst interval: 6.0 hours. This is the interval at which the gage automatically begins to record a time series of individual pressure, U-velocity, and V-velocity measurements.

Time series (record) length: 1024 points sampled at 1.0 second interval (time series 17.07 minutes long).

Date and time: Recorded for the beginning of each wave burst.

H_m0 waveheight: Spectrally-derived wave height. This is NOT significant wave height, although, for deep-water linear waves, the assumption that H_m0 equals significant wave height is reasonable. Definition: Shore Protection Manual 1984, Vol II, p B5.

T_p : Peak period. This is the period band which has the greatest amount of energy, summed over all 360 deg. Definition: Shore Protection Manual 1984, Vol II, p B14.

D_p : Peak direction. This is the direction from which the waves are coming relative to true north. Direction refers to that of the peak period band.

Ave cur & C dir (if available): Average current and direction, determined by obtaining the mean of 1024 individual velocity vector components. This gives the velocity and direction of an individual water particle during 1024 seconds. This typically reflects water motion caused by tidal or wind-driven currents.

Depth: Water depth at the gage location, determined by adding mean water above sensor to distance of pressure sensor to seafloor. One measurement calculated for each wave burst.

"...." represents wave bursts that were rejected because of quality control reasons or because wave height was below minimum threshold (0.15 m).

Notes on data analyses:

High frequency cutoff: 0.333 Hz (equivalent period: 3.0 sec)

Low frequency cutoff: 0.024 Hz (equivalent period: 40.96 sec)

Water density used in wave height calculation: 1026 kg/m³

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 37
 FEBRUARY - APRIL 1987
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
2	5	87	1200	0.76	5.7	165	0.71	276	9.7
2	5	87	1800	0.71	6.0	165	0.61	280	9.7
2	5	87	2400	0.60	5.4	162	0.62	277	9.5
2	6	87	600	0.75	6.0	168	0.66	252	9.5
2	6	87	1200	0.65	5.7	166	0.45	276	9.8
2	6	87	1800	0.60	7.3	186	0.49	284	9.8
2	6	87	2400	0.38	6.6	183	0.23	260	9.4
2	7	87	600	0.31	6.6	184	0.36	213	9.4
2	7	87	1200	0.21	6.2	200	0.34	276	9.6
2	7	87	1800	0.20	6.6	201	0.18	245	9.7
2	8	87	600	0.20	7.3	227	0.30	114	9.2
2	8	87	1200	0.33	7.8	228	0.30	124	9.4
2	8	87	1800	1.01	5.2	242	0.69	111	9.6
2	8	87	2400	0.71	5.4	242	0.51	112	9.2
2	9	87	600	0.29	8.3	225	0.56	109	9.0
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2	10	87	1200	0.17	7.3	204	0.25	146	9.4
2	10	87	1800	0.15	4.8	183	0.10	127	9.7
2	10	87	2400	0.16	11.1	176	0.15	266	9.5
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2	11	87	2400	0.16	12.2	196	0.35	281	9.6
2	12	87	600	0.23	11.1	189	0.31	281	9.3
2	12	87	1200	0.35	4.2	240	0.29	282	9.4
2	12	87	1800	0.64	4.7	240	0.31	118	9.6
2	12	87	2400	0.46	4.7	231	0.18	100	9.6
2	13	87	600	0.30	4.3	243	0.14	244	9.2
2	13	87	1200	0.22	4.5	247	0.13	139	9.3
2	13	87	1800	0.20	6.9	192	0.21	269	9.6
2	13	87	2400	0.22	6.0	190	0.29	274	9.7
2	14	87	600	0.16	7.3	194	0.34	279	9.3
2	14	87	1200	0.15	7.3	194	0.16	254	9.4
2	14	87	2400	0.15	7.3	199	0.32	265	9.7
2	15	87	600	0.29	4.2	186	0.29	280	9.4
2	15	87	1200	0.59	5.4	189	0.39	226	9.5
2	15	87	1800	1.48	6.0	180	0.88	273	9.6
2	15	87	2400	1.70	7.8	199	1.07	285	9.7
2	16	87	600	1.63	8.3	216	0.98	265	9.5
2	16	87	1200	1.27	7.8	195	0.72	326	9.6
2	16	87	1800	1.22	7.8	204	0.67	284	9.5
2	16	87	2400	0.98	7.3	214	0.56	268	9.6
2	17	87	600	0.74	7.3	214	0.44	286	9.5
2	17	87	1200	0.61	6.6	217	0.49	277	9.5

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 37
 FEBRUARY - APRIL 1987
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
2	17	87	1800	0.48	8.3	189	0.45	299	9.5
2	17	87	2400	0.40	7.3	195	0.40	289	9.5
2	18	87	600	0.28	8.3	188	0.18	68	9.4
2	18	87	1200	0.28	8.3	188	0.20	106	9.6
2	18	87	1800	0.20	8.8	193	0.38	111	9.4
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2	19	87	1800	0.18	5.7	206	0.31	114	9.5
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2	20	87	600	0.51	4.2	150	0.29	125	9.4
2	20	87	1200	0.72	5.4	161	0.31	201	9.7
2	20	87	1800	0.50	5.0	154	0.51	285	9.6
2	20	87	2400	0.48	6.2	173	0.27	272	9.3
2	21	87	600	0.94	5.4	164	0.48	285	9.4
2	21	87	1200	0.62	6.0	174	0.33	356	9.7
2	21	87	1800	0.37	5.7	174	0.24	93	9.7
2	21	87	2400	0.62	4.2	154	0.28	259	9.3
2	22	87	600	0.76	5.2	166	0.44	304	9.4
2	22	87	1200	0.89	5.2	162	0.78	295	9.7
2	22	87	1800	1.30	4.8	208	0.64	282	9.8
2	22	87	2400	1.28	6.9	232	0.74	91	9.2
2	23	87	600	0.64	7.3	222	0.47	109	9.0
2	23	87	1200	0.33	8.3	221	0.41	110	9.5
2	23	87	1800	0.22	6.9	216	0.39	115	9.7
2	23	87	2400	0.16	8.3	202	0.27	122	9.3
2	24	87	600	0.19	8.8	218	0.36	127	9.1
2	24	87	1200	0.58	4.2	149	0.36	129	9.5
2	24	87	1800	0.73	6.2	177	0.61	273	9.8
2	24	87	2400	0.72	6.0	170	0.42	258	9.4
2	25	87	600	0.64	6.0	171	0.54	169	9.2
2	25	87	1200	0.55	5.4	167	0.31	255	9.5
2	25	87	1800	0.48	6.2	186	0.34	276	9.9
2	25	87	2400	0.64	6.2	180	0.35	262	9.7
2	26	87	600	0.76	6.9	190	0.71	280	9.3
2	26	87	1200	0.86	6.0	173	0.52	270	9.5
2	26	87	1800	0.72	6.0	174	0.45	267	9.9
2	26	87	2400	0.77	6.0	185	0.67	288	9.8
2	27	87	600	1.09	7.3	193	0.75	282	9.4
2	27	87	1200	1.02	5.2	168	0.56	278	9.5
2	27	87	1800	0.81	6.9	190	0.59	279	9.7
2	27	87	2400	0.94	7.8	183	0.78	283	9.9
2	28	87	600	0.90	8.3	188	0.70	275	9.6
2	28	87	1200	1.23	5.2	172	0.64	267	9.6
2	28	87	1800	1.11	6.9	185	0.75	283	9.6
2	28	87	2400	1.52	6.2	209	0.90	271	9.8
3	1	87	600	1.70	7.3	224	0.92	290	9.5
3	1	87	1200	1.39	6.9	228	0.73	235	9.6
3	1	87	1800	1.41	7.8	214	0.76	137	9.5

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 37
 FEBRUARY - APRIL 1987
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
3	1	87	2400	0.93	7.3	221	0.55	114	9.6
3	2	87	600	0.30	7.8	214	0.26	156	9.6
3	2	87	1200	0.26	6.9	215	0.42	281	9.4
3	2	87	1800	0.22	6.6	214	0.37	272	9.5
3	2	87	2400	0.17	8.3	182	0.14	124	9.5
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3	5	87	600	0.30	4.2	148	0.23	155	9.8
3	5	87	1200	0.38	5.4	180	0.38	287	9.6
3	5	87	1800	0.53	6.9	178	0.29	296	9.4
3	5	87	2400	0.60	4.3	169	0.23	206	9.5
3	6	87	600	0.86	6.9	181	0.42	101	9.8
3	6	87	1200	0.55	4.2	154	0.26	250	9.7
3	6	87	1800	0.57	4.3	147	0.27	97	9.3
3	6	87	2400	0.61	5.7	163	0.43	299	9.5
3	7	87	600	0.81	8.3	182	0.55	308	9.9
3	7	87	1200	0.94	8.8	190	0.70	289	9.9
3	7	87	1800	0.60	8.8	185	0.47	284	9.6
3	7	87	2400	0.50	7.3	183	0.38	293	9.5
3	8	87	600	0.88	4.8	238	0.50	288	9.7
3	8	87	1200	1.07	6.6	222	0.55	306	9.7
3	8	87	1800	1.16	6.9	209	0.62	86	9.4
3	8	87	2400	1.45	7.3	219	0.88	109	9.3
3	9	87	600	1.37	7.8	223	0.81	102	9.6
3	9	87	1200	1.13	7.8	223	0.71	107	9.7
3	9	87	1800	0.83	6.9	222	0.46	69	9.4
3	9	87	2400	0.57	6.6	225	0.34	46	9.3
3	10	87	600	0.37	6.6	221	0.23	55	9.6
3	10	87	1200	0.25	6.0	224	0.15	42	9.7
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3	11	87	1200	0.20	4.2	144	0.17	321	9.8
3	11	87	1800	0.31	5.7	154	0.52	291	9.5
3	11	87	2400	0.18	5.0	168	0.43	296	9.4
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EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 37
 FEBRUARY - APRIL 1987
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
3	14	87	600	0.21	4.5	173	0.08	70	9.5
3	14	87	1800	0.20	4.2	186	0.12	355	9.7
3	14	87	2400	0.26	4.2	179	0.20	287	9.6
3	15	87	600	0.43	4.2	158	0.43	262	9.7
3	15	87	1200	0.43	4.3	181	0.54	264	9.7
3	15	87	1800	0.25	4.5	196	0.32	284	9.8
3	15	87	2400	0.31	4.5	214	0.19	309	9.6
3	16	87	600	0.27	4.2	201	0.27	229	9.7
3	16	87	1200	0.77	6.0	198	0.56	282	9.6
3	16	87	1800	0.77	6.6	192	0.58	282	9.7
3	16	87	2400	0.69	6.6	190	0.46	287	9.7
3	17	87	600	0.97	6.2	195	0.70	286	9.9
3	17	87	1200	1.31	6.6	191	0.95	292	9.6
3	17	87	1800	1.63	7.8	193	0.92	294	9.8
3	17	87	2400	2.08	7.8	187	1.28	281	9.9
3	18	87	600	2.16	7.3	179	1.28	282	10.0
3	18	87	1200	1.52	8.8	188	0.97	291	9.7
3	18	87	1800	1.45	9.5	191	0.90	272	9.7
3	18	87	2400	1.13	6.9	181	0.70	277	9.9
3	19	87	600	0.86	8.8	185	0.56	290	10.0
3	19	87	1200	0.70	8.3	189	0.66	279	9.6
3	19	87	1800	0.47	6.6	196	0.33	258	9.5
3	19	87	2400	0.34	7.3	183	0.26	64	9.7
3	20	87	600	0.40	7.3	191	0.35	309	10.0
3	20	87	1200	0.31	7.8	200	0.50	279	9.7
3	20	87	1800	0.27	7.8	194	0.22	312	9.4
3	20	87	2400	0.23	7.3	199	0.23	244	9.6
3	21	87	600	0.21	6.9	195	0.18	265	9.9
3	21	87	1200	0.18	6.6	192	0.16	284	9.6
3	21	87	1800	0.20	6.6	196	0.14	162	9.3
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3	23	87	600	0.88	4.7	153	0.89	255	9.9
3	23	87	1200	1.23	6.2	176	0.84	296	9.9
3	23	87	1800	0.78	6.0	182	0.56	302	9.5
3	23	87	2400	1.88	6.2	163	1.12	289	9.6
3	24	87	600	1.62	8.3	184	0.88	336	9.9
3	24	87	1200	1.37	8.8	188	0.94	292	10.1
3	24	87	1800	1.02	6.9	182	0.76	295	9.7
3	24	87	2400	0.95	8.3	184	0.68	287	9.5
3	25	87	600	0.74	7.8	182	0.59	284	9.8
3	25	87	1200	0.62	7.8	133	0.45	280	9.9
3	25	87	1800	0.58	7.3	184	0.54	293	9.6
3	25	87	2400	0.44	7.8	189	0.43	293	9.5
3	26	87	600	0.36	7.3	190	0.40	260	9.7

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 37
 FEBRUARY - APRIL 1987
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20 JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
3	26	87	1200	0.37	6.6	191	0.44	273	9.9
3	26	87	1800	0.38	6.2	188	0.41	298	9.8
3	26	87	2400	0.56	6.9	179	0.55	282	9.6
3	27	87	600	0.72	6.6	178	0.47	281	9.7
3	27	87	1200	0.72	6.9	184	0.55	285	9.8
3	27	87	1800	0.98	7.8	188	0.72	285	9.9
3	27	87	2400	0.77	6.9	180	0.49	335	9.7
3	28	87	600	0.51	6.9	177	0.59	283	9.8
3	28	87	1200	0.56	6.9	194	0.40	59	9.7
3	28	87	1800	0.58	5.7	182	0.33	99	9.7
3	28	87	2400	0.49	6.0	184	0.43	298	9.7
3	29	87	600	0.83	4.8	179	0.68	269	9.7
3	29	87	1200	1.21	4.7	161	1.08	285	9.6
3	29	87	1800	0.77	6.2	179	0.44	263	9.7
3	29	87	2400	0.84	8.8	205	0.47	208	9.7
3	30	87	600	0.53	7.3	213	0.32	114	9.7
3	30	87	1200	0.55	5.0	251	0.32	66	9.3
3	30	87	1800	0.84	6.2	245	0.45	19	9.4
3	30	87	2400	0.69	6.2	246	0.43	68	9.4
3	31	87	600	0.51	9.5	225	0.50	96	9.5
3	31	87	1200	0.50	8.8	224	0.50	96	9.1
3	31	87	1800	0.40	5.2	239	0.52	106	9.2
3	31	87	2400	0.27	6.0	229	0.40	107	9.4
4	1	87	600	0.20	11.1	216	0.27	107	9.6
4	1	87	1200	0.20	8.8	210	0.17	78	9.2
4	1	87	1800	0.20	7.8	205	0.22	288	9.2
4	1	87	2400	0.20	5.7	220	0.28	281	9.5
4	2	87	600	0.21	5.0	197	0.52	292	9.7
4	2	87	1200	0.28	6.2	214	0.40	286	9.4
4	2	87	1800	0.54	4.2	244	0.36	290	9.3
4	2	87	2400	0.99	5.4	236	0.46	26	9.5
4	3	87	600	0.39	5.7	243	0.31	92	9.8
4	3	87	1200	0.19	5.4	244	0.40	101	9.4
4	3	87	1800	0.16	5.4	245	0.55	104	9.1
4	3	87	2400	0.20	4.5	255	0.40	108	9.3
..
4	4	87	1800	0.19	4.2	252	0.30	103	9.1
..
4	5	87	1200	0.65	4.3	244	0.44	96	9.5
4	5	87	1800	0.45	4.3	245	0.23	88	9.2
4	5	87	2400	0.29	4.5	241	0.17	89	9.3
4	6	87	600	0.18	4.7	239	0.11	236	9.6
4	6	87	1200	0.60	4.2	243	0.14	34	9.6
4	6	87	1800	0.38	4.2	247	0.15	297	9.3
4	6	87	2400	0.15	4.2	237	0.15	94	9.3
4	7	87	1200	0.41	4.2	234	0.35	294	9.6

EAST PASS, DESTIN, FLORIDA
635-12 GAGE 37
FEBRUARY - APRIL 1987
(OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
PUV Version 3.5
20-JAN-90
CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
4	7	87	1800	0.39	4.3	249	0.20	323	9.4
..
4	8	87	1200	0.66	4.2	250	0.44	284	9.6
4	8	87	1800	0.55	4.3	240	0.23	313	9.3
4	8	87	2400	0.48	4.3	245	0.20	333	9.3
4	9	87	600	0.36	4.8	249	0.18	240	9.5
4	9	87	1200	0.45	5.2	233	0.16	73	9.6
4	9	87	1800	0.48	4.3	234	0.23	303	9.4
4	9	87	2400	0.50	4.2	236	0.17	318	9.4
4	10	87	600	0.36	5.0	239	0.17	283	9.5
4	10	87	1200	0.58	4.2	245	0.41	109	9.6
4	10	87	1800	0.74	4.8	241	0.42	109	9.5
4	10	87	2400	0.49	4.3	239	0.22	93	9.5
4	11	87	600	0.41	5.0	230	0.14	311	9.5
4	11	87	1200	0.52	4.5	243	0.24	87	9.6
4	11	87	1800	0.26	4.5	229	0.14	303	9.5
4	11	87	2400	0.21	4.2	242	0.23	270	9.6
4	12	87	600	0.20	4.3	242	0.33	280	9.6
4	12	87	1200	0.48	5.4	195	0.35	286	9.5
4	12	87	1800	0.74	4.3	201	0.34	262	9.6
4	12	87	2400	0.50	4.8	191	0.32	285	9.7
4	13	87	600	0.71	6.0	200	0.37	347	9.6
4	13	87	1200	0.90	6.0	199	0.45	306	9.4
4	13	87	1800	0.69	6.0	190	0.40	302	9.6
4	13	87	2400	0.96	4.3	176	1.41	290	9.7
4	14	87	600	2.39	7.3	212	1.29	286	9.8
4	14	87	1200	1.26	6.2	188	0.70	274	9.4
4	14	87	1800	1.04	7.8	191	0.53	350	9.5
4	14	87	2400	1.55	6.6	233	0.85	345	9.7
4	15	87	600	1.34	6.9	208	0.63	352	9.7
4	15	87	1200	1.31	5.0	243	0.63	105	9.2
4	15	87	1800	0.88	6.9	229	0.47	76	9.3
4	15	87	2400	0.78	6.2	238	0.50	99	9.5
4	16	87	600	0.70	5.7	228	0.40	98	9.6
4	16	87	1200	0.60	5.7	233	0.39	108	9.1
4	16	87	1800	0.38	6.6	229	0.37	117	9.2
4	16	87	2400	0.33	6.2	230	0.39	115	9.5
4	17	87	600	0.31	6.0	238	0.50	113	9.8
4	17	87	1200	0.93	4.3	253	0.76	115	9.2
4	17	87	1800	0.47	5.4	235	0.57	125	9.2
4	17	87	2400	0.27	5.7	226	0.47	116	9.4
4	18	87	600	0.28	5.7	220	0.28	121	9.8
4	18	87	1200	0.38	5.0	218	0.17	81	9.3
4	18	87	1800	0.23	4.8	222	0.18	270	9.1
4	18	87	2400	0.17	5.7	200	0.12	247	9.4
4	19	87	600	0.17	5.0	202	0.35	270	9.8
4	19	87	1200	0.22	4.2	215	0.24	272	9.5
..

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 37
 FEBRUARY - APRIL 1987
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
..
..
..
4	20	87	1800	0.16	4.3	188	0.16	176	9.2
..
4	21	87	600	0.19	4.2	257	0.08	234	9.6
4	21	87	1200	0.31	4.7	236	0.17	284	9.6
4	21	87	1800	0.22	4.2	235	0.19	272	9.3
4	21	87	2400	0.26	4.5	229	0.21	259	9.3
4	22	87	600	0.27	4.5	229	0.26	277	9.6
4	22	87	1200	0.29	4.5	230	0.29	270	9.7
4	22	87	1800	0.29	4.8	221	0.23	278	9.4
4	22	87	2400	0.21	4.5	225	0.14	267	9.3
4	23	87	600	0.22	4.8	211	0.24	266	9.5
4	23	87	1200	0.52	4.2	223	0.37	268	9.6
4	23	87	1800	0.43	4.7	239	0.40	283	9.4
4	23	87	2400	0.25	8.8	185	0.29	284	9.4
4	24	87	600	0.17	8.3	185	0.23	274	9.4
4	24	87	1200	0.17	4.2	229	0.30	264	9.4
4	24	87	1800	0.16	9.5	182	0.08	261	9.4
..
..
4	25	87	1200	0.20	4.8	226	0.12	0	9.4
4	25	87	1800	0.21	4.3	243	0.16	233	9.4
..
4	26	87	600	0.56	4.5	143	0.63	266	9.5
4	26	87	1200	0.24	4.5	157	0.22	92	9.3
..
..
..
4	27	87	1200	0.16	4.5	185	0.47	82	9.2
4	27	87	1800	0.19	8.3	205	0.22	122	9.4
4	27	87	2400	0.46	4.2	249	0.26	83	9.6
4	28	87	600	0.35	4.2	244	0.13	232	9.6
4	28	87	1200	0.45	4.5	233	0.15	49	9.2
4	28	87	1800	0.25	4.5	233	0.09	203	9.3
..

EAST PASS, DESTIN, FLORIDA
 GAGE 40, JULY - OCTOBER 1987
 OFF OKALOOSA PIER, FT. WALTON BEACH

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
7	8	87	900	0.40	4.7	177	0.34	280	9.9
7	8	87	1500	0.38	6.0	193	0.23	228	9.3
7	8	87	2100	0.34	5.0	190	0.22	104	9.3
7	9	87	300	0.36	8.3	193	0.28	248	9.8
7	9	87	900	0.34	4.3	184	0.25	302	9.9
7	9	87	1500	0.33	8.8	197	0.30	98	9.3
7	9	87	2100	0.31	8.3	192	0.24	163	9.2
7	10	87	300	0.29	10.2	190	0.30	96	9.7
7	10	87	900	0.31	6.6	201	0.29	125	10.0
7	10	87	1500	0.34	5.2	204	0.36	129	9.3
7	10	87	2100	0.26	6.6	197	0.39	290	9.2
7	11	87	300	0.33	6.9	198	0.27	87	9.6
7	11	87	900	0.32	8.3	209	0.19	277	10.0
7	11	87	1500	0.28	6.0	205	0.23	267	9.5
7	11	87	2100	0.29	8.3	202	0.34	285	9.2
7	12	87	300	0.26	6.0	202	0.28	87	9.5
7	12	87	900	0.31	5.4	205	0.21	269	10.0
7	12	87	1500	0.23	9.5	200	0.16	209	9.6
7	12	87	2100	0.47	8.8	201	0.23	239	9.2
7	13	87	300	0.28	8.3	196	0.21	59	9.4
7	13	87	900	0.30	9.5	199	0.22	276	9.8
7	13	87	1500	0.33	4.7	241	0.19	257	9.6
7	13	87	2100	0.44	4.3	252	0.21	166	9.3
7	14	87	300	0.35	4.3	226	0.28	119	9.4
7	14	87	900	0.38	4.3	249	0.23	116	9.7
7	14	87	1500	0.36	9.5	199	0.27	112	9.6
7	14	87	2100	0.38	4.3	241	0.38	162	9.3
7	15	87	300	0.36	9.5	192	0.27	108	9.4
7	15	87	900	0.34	10.2	191	0.26	112	9.6
7	15	87	1500	0.30	10.2	188	0.27	91	9.6
7	15	87	2100	0.34	10.2	201	0.42	85	9.4
7	16	87	300	0.23	10.2	191	0.26	126	9.5
7	16	87	900	0.27	9.5	173	0.31	108	9.5
7	16	87	1500	0.27	9.5	197	0.31	189	9.5
7	16	87	2100	0.22	9.5	190	0.52	116	9.5
7	17	87	300	0.17	9.5	201	0.25	128	9.6
7	17	87	900	0.17	7.8	187	0.40	102	9.5
7	17	87	2100	0.16	8.8	193	0.36	111	9.5
7	18	87	300	0.27	4.2	159	0.28	106	9.6
7	18	87	900	0.55	4.5	165	0.35	131	9.5
7	18	87	1500	0.47	4.3	160	0.55	255	9.4
7	18	87	2100	0.41	4.8	160	0.30	99	9.5
7	19	87	300	0.68	4.5	161	0.40	101	9.8
7	19	87	900	0.90	6.6	175	0.44	225	9.6
7	19	87	1500	0.42	4.2	168	0.39	295	9.4
7	19	87	2100	0.40	6.0	174	0.20	62	9.6
7	20	87	300	0.51	5.4	166	0.22	12	9.8
7	20	87	900	0.76	4.8	162	0.34	310	9.8

EAST PASS, DESTIN, FLORIDA
GAGE 40, JULY - OCTOBER 1987
OFF OKALOOSA PIER, FT. WALTON BEACH

ANALYSIS SUMMARY
PUV Version 3.5
20-JAN-90
CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
7	20	87	1500	0.77	5.0	165	0.42	311	9.4
7	20	87	2100	0.53	4.2	164	0.23	289	9.6
7	21	87	300	0.44	5.4	171	0.20	241	9.9
7	21	87	900	0.55	5.2	177	0.25	133	9.9
7	21	87	1500	0.60	5.0	183	0.27	129	9.4
7	21	87	2100	0.49	5.4	171	0.25	99	9.4
7	22	87	300	0.39	6.0	184	0.23	101	9.8
7	22	87	900	0.42	6.9	196	0.34	96	9.8
7	22	87	1500	0.41	5.4	182	0.29	114	9.4
7	22	87	2100	0.33	7.8	190	0.23	100	9.4
7	23	87	300	0.31	5.7	195	0.27	99	9.7
7	23	87	900	0.30	7.3	188	0.27	103	9.9
7	23	87	1500	0.36	7.8	192	0.24	86	9.4
7	23	87	2100	0.33	9.5	191	0.25	101	9.4
7	24	87	300	0.29	8.8	193	0.19	148	9.6
7	24	87	900	0.25	7.8	193	0.25	268	9.9
7	24	87	1500	0.22	6.6	193	0.29	272	9.5
7	24	87	2100	0.23	5.7	183	0.16	122	9.3
7	25	87	300	0.27	5.4	182	0.23	121	9.6
7	25	87	900	0.24	6.2	201	0.19	116	9.9
7	25	87	1500	0.21	7.3	196	0.36	282	9.5
7	25	87	2100	0.24	6.2	196	0.23	283	9.3
7	26	87	300	0.23	6.9	200	0.20	93	9.5
7	26	87	900	0.21	5.4	207	0.14	44	9.8
7	26	87	1500	0.19	6.6	200	0.12	152	9.5
7	26	87	2100	0.48	6.0	200	0.67	136	9.3
7	27	87	300	0.21	5.7	207	0.47	117	9.5
7	27	87	900	0.18	5.4	203	0.14	111	9.8
7	27	87	1500	0.17	7.8	195	0.28	179	9.5
7	27	87	2100	0.21	10.2	183	0.76	135	9.3
7	28	87	300	0.19	9.5	197	0.31	119	9.5
7	28	87	900	0.21	8.3	199	0.22	132	9.7
7	28	87	1500	0.37	4.3	242	0.15	219	9.5
7	28	87	2100	0.19	8.8	196	0.28	60	9.3
..
7	29	87	1500	0.19	8.3	166	0.10	162	9.5
7	29	87	2100	0.43	4.2	257	0.14	99	9.4
7	30	87	300	0.20	6.9	201	0.11	118	9.5
7	30	87	900	0.31	5.7	193	0.16	133	9.6
7	30	87	1500	0.18	5.7	200	0.11	193	9.6
7	30	87	2100	0.23	5.0	203	0.23	269	9.5
7	31	87	300	0.16	6.2	197	0.21	272	9.5
7	31	87	900	0.16	5.4	192	0.10	271	9.5
7	31	87	1500	0.21	4.3	187	0.14	262	9.5
7	31	87	2100	0.32	4.2	208	0.11	209	9.5
8	1	87	300	0.34	4.2	230	0.15	74	9.6
8	1	87	900	0.31	4.2	241	0.14	113	9.5
8	1	87	1500	0.23	4.2	243	0.28	144	9.5

EAST PASS, DESTIN, FLORIDA
GAGE 40, JULY - OCTOBER 1987
OFF OKALOOSA PIER, FT. WALTON BEACH

ANALYSIS SUMMARY
PUV Version 3.5
20-JAN-90
CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
8	1	87	2100	0.32	4.2	247	0.26	124	9.5
8	2	87	300	0.19	4.2	240	0.18	129	9.6
8	2	87	900	0.25	4.3	229	0.11	170	9.5
8	2	87	1500	0.21	4.2	246	0.10	60	9.4
8	2	87	2100	0.27	4.2	236	0.28	121	9.5
8	3	87	300	0.18	8.8	196	0.28	111	9.7
8	3	87	900	0.23	7.8	192	0.21	117	9.5
8	3	87	1500	0.15	6.2	196	0.22	142	9.3
8	3	87	2100	0.22	4.2	257	0.13	171	9.5
8	4	87	300	0.16	5.4	201	0.14	165	9.8
8	4	87	1500	0.17	4.5	234	0.16	129	9.2
8	4	87	2100	0.39	4.2	247	0.15	175	9.5
8	5	87	300	0.21	4.2	233	0.13	150	9.8
8	5	87	900	0.20	4.2	234	0.28	150	9.7
8	5	87	1500	0.25	4.2	235	0.16	88	9.2
8	5	87	2100	0.27	4.2	240	0.44	143	9.4
8	6	87	300	0.41	4.3	246	0.26	149	9.8
8	6	87	900	0.41	4.2	250	0.56	122	9.8
8	6	87	1500	0.26	4.2	239	0.22	152	9.2
8	6	87	2100	0.36	4.2	253	0.23	242	9.3
8	7	87	300	0.15	7.3	191	0.21	219	9.7
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..
..
8	8	87	2100	0.23	5.4	198	0.42	266	9.2
8	9	87	300	0.35	4.7	186	0.17	142	9.5
8	9	87	900	0.28	5.4	188	0.18	217	9.9
8	9	87	1500	0.32	7.3	198	0.25	230	9.4
8	9	87	2100	0.48	8.3	192	0.27	240	9.2
8	10	87	300	0.37	7.8	197	0.27	92	9.4
8	10	87	900	0.36	6.6	207	0.35	123	9.8
8	10	87	1500	0.41	7.3	216	0.55	110	9.4
8	10	87	2100	0.48	6.9	225	0.36	124	9.2
8	11	87	300	0.51	6.2	227	0.34	130	9.3
8	11	87	900	0.41	6.6	228	0.29	96	9.6
8	11	87	1500	0.42	6.2	231	0.23	197	9.4
8	11	87	2100	0.62	5.7	226	0.29	192	9.3
8	12	87	300	0.52	5.4	235	0.24	247	9.3
8	12	87	900	0.54	5.2	235	0.24	94	9.6
8	12	87	1500	0.74	6.0	239	0.42	282	9.5
8	12	87	2100	0.66	4.2	244	0.46	288	9.5
8	13	87	300	0.93	5.4	237	0.43	309	9.5
8	13	87	900	1.17	6.0	241	0.60	290	9.4
8	13	87	1500	0.69	6.0	230	0.36	351	9.4
8	13	87	2100	0.53	5.4	236	0.26	290	9.5

EAST PASS, DESTIN, FLORIDA
 GAGE 40, JULY - OCTOBER 1987
 OFF OKALOOSA PIER, FT. WALTON BEACH

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
8	14	87	300	0.55	4.7	230	0.30	302	9.5
8	14	87	900	1.18	5.0	235	0.50	130	9.4
8	14	87	1500	1.15	6.0	242	0.55	37	9.4
8	14	87	2100	1.00	5.7	247	0.47	18	9.5
8	15	87	300	0.48	4.8	243	0.20	20	9.6
8	15	87	900	0.23	4.5	222	0.14	337	9.4
8	15	87	1500	0.22	4.3	184	0.36	209	9.3
8	15	87	2100	0.17	5.0	227	0.28	288	9.5
8	16	87	300	0.24	5.2	214	0.38	299	9.7
8	16	87	900	0.18	4.7	211	0.64	277	9.5
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8	17	87	300	0.16	5.0	230	0.48	289	9.7
8	17	87	1500	0.24	5.7	227	0.55	265	9.2
8	17	87	2100	0.16	6.0	212	0.19	0	9.4
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8	19	87	300	0.17	8.8	186	0.21	52	9.7
8	19	87	900	0.16	8.3	194	0.19	346	9.6
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8	23	87	300	0.18	4.5	133	0.31	308	9.5
8	23	87	900	0.16	4.2	140	0.18	331	9.8
8	23	87	2100	0.16	4.3	203	0.23	62	9.4
8	24	87	300	0.23	4.8	170	0.18	53	9.5
8	24	87	900	0.17	4.5	161	0.29	273	9.7
8	24	87	1500	0.16	5.2	199	0.29	321	9.4
8	24	87	2100	0.15	4.3	158	0.24	311	9.4
8	25	87	900	0.16	8.3	203	0.11	61	9.7
8	25	87	1500	0.21	4.3	174	0.23	267	9.5
8	25	87	2100	0.20	4.2	179	0.38	304	9.5
8	26	87	300	0.20	4.2	150	0.18	2	9.5

EAST PASS, DESTIN, FLORIDA
 GAGE 40, JULY - OCTOBER 1987
 OFF OKALOOSA PIER, FT. WALTON BEACH

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
8	26	87	900	0.22	4.5	180	0.16	9	9.7
8	26	87	1500	0.31	4.5	187	0.40	297	9.5
8	26	87	2100	0.23	4.3	164	0.47	306	9.6
8	27	87	300	0.20	4.3	164	0.32	315	9.5
8	27	87	900	0.25	5.0	186	0.32	313	9.6
8	27	87	1500	0.29	4.7	183	0.46	291	9.6
8	27	87	2100	0.27	4.7	169	0.77	295	9.6
8	28	87	300	0.24	5.0	184	0.39	310	9.6
8	28	87	900	0.30	5.7	173	0.40	304	9.6
8	28	87	1500	0.28	4.8	177	0.32	307	9.5
8	28	87	2100	0.25	5.2	168	0.39	301	9.6
8	29	87	300	0.24	6.0	190	0.22	0	9.6
8	29	87	900	0.21	5.7	184	0.15	152	9.5
8	29	87	1500	0.20	4.8	176	0.34	321	9.5
8	29	87	2100	0.17	4.7	177	0.30	24	9.7
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8	30	87	1500	0.74	4.2	66	0.30	334	9.4
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9	1	87	1500	0.18	4.3	173	0.42	330	9.3
9	1	87	2100	0.18	4.7	174	0.30	323	9.6
9	2	87	300	0.20	5.2	171	0.26	347	9.8
9	2	87	900	0.50	4.5	173	0.32	322	9.6
9	2	87	1500	0.33	4.8	163	0.22	352	9.2
9	2	87	2100	0.36	4.8	155	0.22	354	9.5
9	3	87	300	0.34	4.3	156	0.36	321	9.9
9	3	87	900	0.32	4.5	158	0.23	340	9.7
9	3	87	1500	0.19	4.7	164	0.22	26	9.2
9	3	87	2100	0.29	4.5	152	0.41	298	9.4
9	4	87	300	0.58	4.5	161	0.31	5	9.8
9	4	87	900	0.57	5.4	163	0.36	317	9.8
9	4	87	1500	0.41	6.0	161	0.61	288	9.3
9	4	87	2100	0.45	5.7	163	0.31	344	9.4
9	5	87	300	0.39	5.2	161	0.22	47	9.7
9	5	87	900	0.19	5.4	154	0.38	41	9.9
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EAST PASS, DESTIN, FLORIDA
GAGE 40, JULY - OCTOBER 1987
OFF OKALOOSA PIER, FT. WALTON BEACH

ANALYSIS SUMMARY
PUV Version 3.5
20-JAN-90
CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
9	7	87	1500	0.18	4.2	178	0.19	340	9.5
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9	8	87	900	0.30	4.2	209	0.24	53	9.6
9	8	87	1500	0.25	4.2	229	0.22	24	9.5
9	8	87	2100	0.34	4.2	236	0.18	24	9.5
9	9	87	300	0.33	4.5	247	0.20	338	9.3
9	9	87	900	0.24	4.3	251	0.26	319	9.5
9	9	87	1500	0.18	4.2	246	0.18	335	9.5
9	9	87	2100	0.22	4.3	243	0.15	16	9.6
9	10	87	300	0.16	4.2	236	0.21	25	9.4
9	10	87	900	0.17	4.3	223	0.15	7	9.4
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9	11	87	300	0.35	4.2	206	0.20	13	9.6
9	11	87	900	0.37	4.2	209	0.21	348	9.4
9	11	87	1500	0.71	5.2	211	0.37	1	9.5
9	11	87	2100	0.62	5.2	214	0.26	58	9.7
9	12	87	300	0.68	6.0	225	0.37	82	9.7
9	12	87	900	0.72	5.0	208	0.41	41	9.4
9	12	87	1500	0.80	5.2	222	0.41	353	9.4
9	12	87	2100	0.67	6.0	240	0.44	343	9.7
9	13	87	300	0.57	5.2	233	0.43	306	9.7
9	13	87	900	0.42	4.7	224	0.38	328	9.4
9	13	87	1500	0.42	5.4	201	0.53	305	9.3
9	13	87	2100	0.52	5.0	219	0.29	345	9.6
9	14	87	300	0.35	5.4	197	0.21	37	9.8
9	14	87	900	0.22	4.2	234	0.12	45	9.5
9	14	87	1500	0.16	5.0	207	0.15	115	9.3
9	14	87	2100	0.16	4.5	215	0.34	43	9.6
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9	17	87	300	0.19	4.2	193	0.17	15	9.8
9	17	87	900	0.17	4.2	183	0.28	2	9.7
9	17	87	1500	0.45	4.2	202	0.25	27	9.4
9	17	87	2100	0.35	4.7	194	0.27	329	9.5
9	18	87	300	0.24	4.2	189	0.23	331	9.7
9	18	87	900	0.21	4.2	197	0.22	26	9.7
9	18	87	1500	0.22	4.2	195	0.23	349	9.4
9	18	87	2100	0.23	4.3	210	0.21	0	9.5
9	19	87	300	0.29	4.7	198	0.25	48	9.7
9	19	87	900	0.37	4.3	224	0.26	14	9.7
9	19	87	1500	0.35	4.2	238	0.27	353	9.4

ANALYSIS SUMMARY
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EAST PASS, DESTIN, FLORIDA
 GAGE 40, JULY - OCTOBER 1987
 OFF OKALOOSA PIER, FT. WALTON BEACH

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
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10	3	87	300	0.19	4.2	219	0.11	74	9.6
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EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 DEC 1987 - FEB 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
12	12	87	700	0.72	4.2	268	0.40	57	9.3
12	12	87	1300	0.16	4.2	323	0.38	59	9.3
12	12	87	1900	0.17	4.2	194	0.38	58	9.3
12	13	87	100	0.42	4.2	185	0.27	35	9.5
12	13	87	700	0.57	4.7	217	0.25	31	9.6
12	13	87	1300	0.74	5.7	264	0.29	34	9.4
12	13	87	1900	0.70	6.0	286	0.28	49	9.3
12	14	87	100	0.53	6.0	287	0.26	71	9.5
12	14	87	700	0.34	5.2	265	0.21	51	9.5
12	14	87	1300	0.22	5.0	193	0.19	30	9.4
12	14	87	1900	0.62	5.0	163	0.22	334	9.5
12	15	87	100	0.63	5.0	166	0.26	30	9.7
12	15	87	700	1.07	5.7	174	0.34	13	9.6
12	15	87	1300	1.00	6.2	177	0.38	351	9.5
12	15	87	1900	1.25	6.6	182	0.39	356	9.6
12	16	87	100	1.43	7.3	190	0.42	356	9.7
12	16	87	700	1.35	7.3	187	0.38	4	9.6
12	16	87	1300	1.30	7.3	185	0.42	0	9.4
12	16	87	1900	0.85	6.9	218	0.34	101	9.5
12	17	87	100	0.66	7.3	184	0.30	99	9.6
12	17	87	700	0.56	7.8	208	0.32	102	9.3
12	17	87	1300	0.38	7.3	266	0.43	116	9.3
12	17	87	1900	0.21	8.3	257	0.38	112	9.5
12	18	87	700	0.25	8.3	232	0.49	120	9.1
12	18	87	1900	0.15	6.6	244	0.40	112	9.4
12	19	87	700	0.18	9.5	194	0.35	108	9.2
12	19	87	1900	0.33	4.3	176	0.19	88	9.5
12	20	87	100	0.29	4.2	178	0.24	86	9.8
12	20	87	700	0.49	4.2	167	0.23	82	9.3
12	20	87	1300	0.57	4.3	169	0.29	352	9.1
12	20	87	1900	1.04	5.4	163	0.41	352	9.6
12	21	87	100	1.36	5.7	174	0.35	33	10.0
12	21	87	700	1.33	6.9	188	0.39	2	9.6
12	21	87	1300	1.19	6.6	186	0.38	358	9.2
12	21	87	1900	1.07	7.3	181	0.33	25	9.5
12	22	87	100	1.03	8.3	187	0.32	29	9.9
12	22	87	700	0.79	7.8	183	0.27	28	9.7
12	22	87	1300	0.70	6.2	188	0.24	31	9.1
12	22	87	1900	0.57	6.9	198	0.24	63	9.3
12	23	87	100	0.44	7.3	192	0.26	83	9.8
12	23	87	700	0.38	6.9	188	0.26	94	9.7
12	23	87	1300	0.58	4.2	160	0.22	70	9.1
12	23	87	1900	0.25	8.3	192	0.28	100	9.2
12	24	87	100	0.34	7.8	199	0.23	81	9.7
12	24	87	700	0.22	7.3	185	0.23	80	9.8

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 DEC 1987 - FEB 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
12	24	87	1300	0.51	8.8	197	0.25	92	9.2
12	24	87	1900	0.37	4.2	161	0.21	13	9.3
12	25	87	100	0.58	4.7	161	0.25	52	9.6
12	25	87	700	0.79	4.8	164	0.28	61	9.8
12	25	87	1300	0.80	5.0	169	0.26	68	9.3
12	25	87	1900	0.80	5.0	168	0.26	54	9.3
12	26	87	100	0.71	5.0	169	0.34	100	9.6
12	26	87	700	0.85	5.2	174	0.27	46	9.7
12	26	87	1300	0.80	5.7	187	0.25	58	9.4
12	26	87	1900	0.76	5.4	181	0.25	33	9.4
12	27	87	100	0.81	6.0	193	0.30	3	9.5
12	27	87	700	0.85	6.2	178	0.28	1	9.7
12	27	87	1300	0.76	6.9	188	0.28	19	9.5
12	27	87	1900	0.74	6.0	193	0.28	6	9.4
12	28	87	100	0.70	7.8	188	0.24	39	9.5
12	28	87	700	0.68	6.9	195	0.25	19	9.6
12	28	87	1300	0.70	6.2	186	0.27	6	9.5
12	28	87	1900	0.56	6.9	200	0.30	359	9.6
12	29	87	100	0.54	6.0	190	0.25	15	9.6
12	29	87	700	0.67	4.7	181	0.23	30	9.5
12	29	87	1300	0.84	4.8	191	0.26	20	9.5
12	29	87	1900	0.56	5.0	221	0.25	10	9.6
12	30	87	100	0.60	5.0	294	0.23	66	9.6
12	30	87	700	0.95	5.2	287	0.35	111	9.2
12	30	87	1300	0.72	5.7	287	0.43	115	9.1
12	30	87	1900	0.31	4.8	311	0.38	113	9.4
12	31	87	700	0.21	7.3	230	0.40	114	9.1
12	31	87	1300	0.15	4.2	151	0.31	105	9.2
12	31	87	1900	0.55	4.8	159	0.30	100	9.5
1	1	88	100	0.85	5.0	163	0.29	78	9.6
1	1	88	700	0.79	4.8	166	0.28	59	9.3
1	1	88	1300	1.07	6.0	168	0.40	350	9.3
1	1	88	1900	1.50	6.2	173	0.47	356	9.7
1	2	88	100	1.47	6.9	173	0.45	12	9.9
1	2	88	700	1.24	7.8	184	0.39	11	9.5
1	2	88	1300	1.15	8.3	183	0.38	4	9.3
1	2	88	1900	1.08	8.3	181	0.36	56	9.5
1	3	88	100	1.15	8.3	184	0.35	30	9.9
1	3	88	700	0.58	8.3	183	0.28	37	9.5
1	3	88	1300	0.41	6.9	181	0.23	46	9.2
1	3	88	1900	0.34	6.9	182	0.23	59	9.4
1	4	88	100	0.33	6.6	177	0.25	11	9.8
1	4	88	700	0.26	6.9	195	0.24	15	9.6
1	4	88	1300	0.46	5.4	169	0.35	350	9.3
1	4	88	1900	0.44	4.2	156	0.34	359	9.5
1	5	88	100	0.44	6.2	168	0.24	20	9.8
1	5	88	700	0.32	5.7	177	0.22	52	9.6
1	5	88	1300	0.31	5.7	175	0.24	69	9.2

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 DEC 1987 - FEB 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	TP (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
1	6	88	100	0.19	9.5	127	0.28	101	9.7
1	6	88	1300	0.18	8.8	357	0.36	110	9.1
1	7	88	100	0.18	5.4	86	0.28	101	9.5
1	7	88	1300	0.32	4.7	171	0.25	101	9.1
1	7	88	1900	0.23	4.8	162	0.17	54	9.2
1	8	88	100	0.51	4.3	156	0.21	71	9.6
1	8	88	700	0.78	5.0	160	0.31	13	9.7
1	8	88	1300	1.06	6.2	171	0.40	354	9.4
1	8	88	1900	1.20	6.2	170	0.41	352	9.5
1	9	88	100	0.92	6.2	173	0.36	356	9.7
1	9	88	700	0.68	6.2	181	0.25	47	9.7
1	9	88	1300	0.40	6.0	184	0.21	65	9.4
1	9	88	1900	0.33	6.9	179	0.23	83	9.4
1	10	88	100	0.26	6.9	190	0.21	86	9.6
1	10	88	700	0.20	6.9	192	0.20	80	9.7
1	10	88	1300	0.20	7.8	185	0.20	82	9.4
1	11	88	100	0.17	7.3	172	0.20	88	9.5
1	11	88	700	0.17	4.3	161	0.22	89	9.5
1	11	88	1300	0.17	4.5	163	0.24	97	9.3
1	11	88	1900	0.15	4.8	150	0.25	96	9.4
1	13	88	700	0.40	4.2	153	0.23	82	9.3
1	13	88	1300	0.52	4.3	157	0.22	63	9.3
1	13	88	1900	0.76	5.0	159	0.29	19	9.5
1	14	88	100	0.71	4.8	163	0.29	355	9.6
1	14	88	700	0.73	4.3	167	0.30	356	9.4
1	14	88	1300	0.59	4.7	186	0.26	13	9.4
1	14	88	1900	0.19	4.5	200	0.21	55	9.6
1	15	88	700	0.17	7.8	182	0.27	89	9.2
1	15	88	1900	0.38	4.3	153	0.26	87	9.5
1	16	88	100	0.22	5.7	163	0.24	84	9.6
1	16	88	700	0.48	4.8	166	0.25	87	9.2
1	16	88	1300	0.29	4.2	156	0.23	71	9.2
1	16	88	1900	0.40	5.0	169	0.23	81	9.5
1	17	88	100	0.17	4.7	139	0.23	76	9.7
1	17	88	700	0.47	4.3	153	0.24	82	9.2
1	17	88	1300	0.67	5.2	158	0.27	78	9.2
1	17	88	1900	1.10	5.7	167	0.35	49	9.6

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 DEC 1987 - FEB 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
1	18	88	100	1.25	5.4	168	0.37	70	9.9
1	18	88	700	1.38	5.0	160	0.38	16	9.4
1	18	88	1300	1.89	7.3	171	0.56	2	9.2
1	18	88	1900	1.93	7.3	176	0.59	358	9.6
1	19	88	100	1.37	8.8	179	0.45	2	10.0
1	19	88	700	1.13	8.8	178	0.41	353	9.6
1	19	88	1300	1.24	7.3	166	0.43	6	9.2
1	19	88	1900	1.12	8.8	181	0.36	21	9.5
1	20	88	100	0.93	6.9	172	0.35	4	9.9
1	20	88	700	0.89	7.3	176	0.34	3	9.7
1	20	88	1300	1.02	5.4	180	0.32	358	9.2
1	20	88	1900	1.10	6.6	177	0.35	11	9.5
1	21	88	100	1.51	7.3	183	0.42	359	10.0
1	21	88	700	1.59	6.9	198	0.43	355	9.9
1	21	88	1300	1.33	7.8	201	0.40	4	9.2
1	21	88	1900	0.94	8.3	193	0.32	15	9.4
1	22	88	100	0.85	8.3	186	0.29	16	9.7
1	22	88	700	0.57	8.3	187	0.28	5	9.8
1	22	88	1300	0.48	7.8	189	0.24	34	9.2
1	22	88	1900	0.34	7.8	189	0.25	62	9.4
1	23	88	100	0.33	8.3	180	0.22	61	9.6
1	23	88	700	0.42	4.2	286	0.21	57	9.6
1	23	88	1300	0.43	4.3	299	0.23	71	9.2
1	23	88	1900	0.20	6.9	207	0.25	83	9.2
1	24	88	100	0.18	7.3	217	0.26	89	9.3
1	24	88	700	0.24	4.3	318	0.28	95	9.4
1	24	88	1300	0.29	4.2	302	0.28	97	9.2
1	24	88	1900	0.30	4.2	279	0.31	102	9.3
1	25	88	100	0.32	4.3	302	0.34	105	9.3
1	25	88	700	0.67	4.2	281	0.30	99	9.4
1	25	88	1300	0.50	4.5	278	0.25	89	9.4
1	25	88	1900	0.51	4.5	274	0.21	60	9.5
1	26	88	100	0.74	4.3	177	0.24	9	9.4
1	26	88	700	1.11	6.6	171	0.51	348	9.3
1	26	88	1300	0.57	6.6	186	0.28	18	9.3
1	26	88	1900	0.63	5.0	304	0.26	86	9.5
1	27	88	100	0.88	5.7	279	0.33	105	9.3
1	27	88	700	0.71	5.4	287	0.30	100	9.0
1	27	88	1300	0.66	6.2	272	0.28	96	9.1
1	27	88	1900	0.50	5.0	304	0.31	103	9.4
1	28	88	100	0.32	8.3	258	0.36	108	9.4
1	28	88	700	0.34	8.8	228	0.26	89	9.1
1	28	88	1300	0.20	8.3	239	0.24	80	9.2
1	28	88	1900	0.24	3.3	215	0.22	76	9.5
1	29	88	100	0.19	6.9	191	0.27	91	9.5
1	29	88	700	0.26	7.3	250	0.23	64	9.1
1	29	88	1900	0.33	6.2	201	0.22	62	9.6
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EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 DEC 1987 - FEB 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	TP (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
1	30	88	700	0.33	4.3	181	0.21	45	9.2
1	30	88	1900	0.66	4.3	169	0.21	48	9.5
1	31	88	100	0.50	5.0	170	0.27	55	9.8
1	31	88	700	0.68	5.0	171	0.27	48	9.4
1	31	88	1300	0.81	5.7	173	0.30	59	9.2
1	31	88	1900	0.93	5.7	178	0.30	74	9.5
2	1	88	100	1.01	7.8	195	0.32	59	9.8
2	1	88	700	1.12	5.4	172	0.35	46	9.5
2	1	88	1300	1.15	6.9	181	0.39	28	9.3
2	1	88	1900	1.03	6.9	182	0.32	24	9.6
2	2	88	100	1.03	7.8	184	0.32	18	9.9
2	2	88	700	0.90	7.8	187	0.30	29	9.6
2	2	88	1300	0.85	7.8	185	0.29	38	9.3
2	2	88	1900	0.79	6.9	185	0.28	48	9.5
2	3	88	100	0.87	8.3	187	0.28	43	9.8
2	3	88	700	0.90	8.3	188	0.28	46	9.6
2	3	88	1300	0.73	7.3	190	0.25	32	9.3
2	3	88	1900	0.65	6.9	185	0.28	61	9.4
2	4	88	100	0.70	5.7	187	0.26	26	9.7
2	4	88	700	0.60	6.9	184	0.27	22	9.6
2	4	88	1300	0.56	6.2	195	0.28	16	9.3
2	4	88	1900	0.46	7.8	183	0.26	28	9.4
2	5	88	100	0.47	6.0	186	0.27	19	9.6
2	5	88	700	0.39	6.2	180	0.27	9	9.6
2	5	88	1300	0.36	5.2	212	0.27	8	9.3
2	5	88	1900	0.29	8.3	185	0.26	14	9.4
2	6	88	100	0.22	7.8	195	0.27	20	9.5
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2	8	88	1300	0.15	4.3	149	0.26	85	9.3
2	8	88	1900	0.42	5.4	158	0.23	49	9.4
2	9	88	100	0.29	5.0	169	0.26	73	9.3
2	9	88	700	0.18	5.7	166	0.24	71	9.3
2	9	88	1300	0.17	6.2	186	0.22	52	9.3
2	9	88	1900	0.18	5.7	177	0.20	42	9.5
2	10	88	100	0.15	6.9	198	0.24	66	9.4
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EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 DEC 1987 - FEB 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
2	11	88	1900	0.15	9.5	193	0.23	47	9.6
2	12	88	700	0.21	5.4	180	0.26	17	9.2
2	12	88	1900	0.30	4.3	144	0.22	23	9.6
2	13	88	700	0.33	4.3	279	0.26	25	9.2
2	13	88	1300	0.34	4.8	304	0.28	79	9.1
2	13	88	1900	0.42	5.7	307	0.28	79	9.5
2	14	88	100	0.21	8.3	265	0.33	98	9.5
2	14	88	700	0.52	4.5	274	0.29	87	9.0
2	14	88	1300	0.37	5.7	301	0.30	88	9.0
2	14	88	1900	0.44	4.7	279	0.25	86	9.4
2	15	88	100	0.23	4.7	318	0.30	91	9.6
2	15	88	700	0.37	4.8	276	0.25	74	9.1
2	15	88	1300	0.18	4.2	201	0.23	61	9.1
2	15	88	1900	0.74	4.3	168	0.24	49	9.5
2	16	88	100	1.03	5.7	177	0.32	9	9.8
2	16	88	700	1.29	5.7	176	0.39	9	9.4
2	16	88	1300	1.71	7.3	190	0.50	358	9.1
2	16	88	1900	1.28	7.8	185	0.40	16	9.5
2	17	88	100	1.27	6.2	246	0.31	24	9.8
2	17	88	700	0.91	6.9	268	0.25	71	9.3
2	17	88	1300	0.56	7.8	232	0.23	62	8.9
2	17	88	1900	0.31	7.3	253	0.23	52	9.3
2	18	88	100	0.31	7.3	206	0.23	61	9.7
2	18	88	700	0.22	6.6	200	0.22	51	9.5
2	18	88	1300	0.26	6.2	212	0.22	36	9.2
2	18	88	1900	0.17	6.2	197	0.22	39	9.3
2	19	88	100	0.25	7.3	191	0.29	3	9.6
2	19	88	1300	0.49	4.5	203	0.25	11	9.2
2	19	88	1900	0.39	4.2	158	0.25	14	9.2
2	20	88	100	0.73	6.6	176	0.26	57	9.5
2	20	88	700	0.86	6.0	170	0.32	21	9.7
2	20	88	1300	0.79	6.9	181	0.28	12	9.5
2	20	88	1900	0.70	6.6	176	0.27	22	9.4
2	21	88	100	0.77	6.6	186	0.26	30	9.4
2	21	88	700	0.67	6.6	179	0.24	53	9.5
2	21	88	1300	0.46	6.6	183	0.23	36	9.4
2	21	88	1900	0.21	6.6	181	0.23	34	9.5
2	22	88	100	0.16	7.3	186	0.23	34	9.3
2	22	88	1300	0.23	8.8	178	0.24	23	9.4
2	22	88	1900	0.19	8.3	186	0.22	43	9.5
2	23	88	100	0.29	8.3	177	0.26	81	9.2
2	23	88	1300	0.17	5.4	261	0.23	70	9.4

EAST PASS, DESTIN, FLORIDA
635-9 GAGE 03
DEC 1987 - FEB 1988
(OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
PUV Version 3.5
20-JAN-90
CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
2	23	88	1900	0.74	4.3	165	0.24	63	9.6
2	24	88	100	0.87	4.8	170	0.25	41	9.3
2	24	88	700	1.11	5.7	180	0.26	39	9.2

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 APRIL - JULY 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
4	29	88	1400	0.16	6.6	188	0.16	205	9.4
4	29	88	2000	0.26	4.2	167	0.15	151	9.4
4	30	88	200	0.23	4.2	149	0.07	171	9.5
4	30	88	800	0.47	4.2	152	0.07	52	9.8
4	30	88	1400	0.74	5.0	155	0.25	294	9.6
4	30	88	2000	1.19	6.6	168	0.31	247	9.5
5	1	88	200	0.61	6.9	173	0.20	299	9.6
5	1	88	800	0.45	6.0	157	0.13	267	9.8
5	1	88	1400	0.37	6.6	169	0.13	88	9.5
5	1	88	2000	0.34	6.2	169	0.10	307	9.3
5	2	88	200	0.26	5.0	146	0.09	79	9.5
5	2	88	800	0.23	7.8	193	0.09	87	9.8
5	2	88	1400	0.18	8.8	179	0.09	84	9.5
5	2	88	2000	0.20	7.8	189	0.06	165	9.2
5	3	88	200	0.27	5.2	159	0.08	89	9.5
5	3	88	800	0.50	4.7	169	0.15	122	9.9
5	3	88	1400	0.81	5.4	168	0.21	103	9.7
5	3	88	2000	0.60	5.4	173	0.13	137	9.3
5	4	88	200	0.64	5.2	167	0.14	140	9.4
5	4	88	800	0.62	4.8	197	0.13	317	9.9
5	4	88	1400	0.97	4.3	236	0.17	47	9.7
5	4	88	2000	0.97	5.2	234	0.20	302	9.2
5	5	88	200	0.67	5.2	234	0.20	284	9.3
5	5	88	800	0.34	5.7	216	0.13	271	9.7
5	5	88	1400	0.27	6.2	219	0.09	275	9.7
5	5	88	2000	0.27	5.7	209	0.08	337	9.2
5	6	88	200	0.24	4.2	237	0.10	62	9.2
5	6	88	800	0.33	4.2	234	0.09	92	9.6
5	6	88	1400	0.20	5.0	237	0.11	79	9.7
5	7	88	200	0.23	4.2	242	0.23	113	9.1
5	7	88	1400	0.19	4.8	252	0.06	89	9.7
5	7	88	2000	0.23	4.2	223	0.09	290	9.3
5	8	88	200	0.16	4.2	228	0.06	288	9.2
5	8	88	1400	0.64	4.2	157	0.09	313	9.7
5	8	88	2000	0.71	5.0	164	0.18	47	9.5
5	9	88	200	0.82	5.7	180	0.26	272	9.3
5	9	88	800	0.64	5.2	179	0.14	233	9.5
5	9	88	1400	0.70	5.7	180	0.28	271	9.8
5	9	88	2000	0.77	5.2	179	0.43	291	9.6
5	10	88	200	0.89	6.2	187	0.34	266	9.4
5	10	88	800	0.73	6.9	190	0.23	282	9.5
5	10	88	1400	0.69	6.2	179	0.25	280	9.7
5	10	88	2000	0.79	4.2	228	0.23	300	9.6
5	11	88	200	0.46	6.6	199	0.18	279	9.4
5	11	88	800	0.35	6.0	196	0.13	330	9.6
5	11	88	1400	0.35	5.7	195	0.28	257	9.5

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 APRIL - JULY 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
5	11	88	2000	0.31	7.8	187	0.16	316	9.6
5	12	88	200	0.32	7.3	179	0.17	296	9.6
5	12	88	800	0.21	6.6	192	0.10	291	9.7
5	12	88	1400	0.20	5.2	185	0.22	270	9.5
5	12	88	2000	0.18	7.8	189	0.17	290	9.5
5	13	88	200	0.18	7.3	179	0.29	259	9.6
5	13	88	800	0.48	4.2	173	0.17	271	9.7
5	13	88	1400	0.35	4.2	188	0.20	268	9.4
5	13	88	2000	0.26	4.2	177	0.10	268	9.3
5	14	88	200	0.16	4.2	191	0.04	108	9.5
5	14	88	800	0.16	5.4	182	0.07	98	9.7
5	14	88	1400	0.18	5.4	192	0.07	179	9.3
5	14	88	2000	0.19	6.2	185	0.06	322	9.2
5	15	88	200	0.19	6.9	187	0.09	2	9.5
5	15	88	800	0.20	6.2	177	0.07	349	9.8
5	15	88	1400	0.23	6.9	190	0.08	332	9.4
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5	16	88	800	0.15	6.2	189	0.19	288	9.9
5	16	88	1400	0.16	7.3	190	0.19	270	9.5
5	17	88	200	0.17	8.8	208	0.14	300	9.4
5	17	88	1400	0.16	4.2	272	0.15	277	9.6
5	17	88	2000	0.39	4.2	213	0.14	283	9.2
5	18	88	200	0.19	4.3	235	0.10	267	9.3
..
5	18	88	2000	0.29	4.3	218	0.13	290	9.2
..
5	19	88	2000	0.18	4.5	171	0.10	291	9.2
..
5	20	88	2000	0.21	4.3	185	0.15	280	9.3
..
5	21	88	2000	0.42	4.2	241	0.10	254	9.4
5	22	88	200	1.05	4.8	229	0.19	200	9.5
5	22	88	800	1.27	6.6	218	0.31	222	9.5
5	22	88	1400	0.95	6.9	207	0.24	298	9.7
5	22	88	2000	1.30	7.8	216	0.41	275	9.4
5	23	88	200	1.34	6.9	216	0.33	278	9.4
5	23	88	800	0.98	5.7	218	0.26	302	9.6
5	23	88	1400	0.86	7.3	202	0.25	235	9.7
5	23	88	2000	1.36	5.4	215	0.30	163	9.5

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 APRIL - JULY 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
5	24	88	200	1.23	6.0	208	0.29	263	9.4
5	24	88	800	0.72	5.2	220	0.20	83	9.5
5	24	88	1400	0.53	5.0	218	0.17	259	9.6
5	24	88	2000	1.53	6.9	210	0.46	278	9.4
5	25	88	200	0.79	5.2	225	0.17	28	9.5
5	25	88	800	0.55	5.2	211	0.14	311	9.6
5	25	88	1400	0.49	5.7	194	0.13	183	9.4
5	25	88	2000	0.45	5.2	196	0.27	279	9.5
5	26	88	200	0.28	5.4	198	0.10	348	9.5
5	26	88	800	0.24	6.6	174	0.10	112	9.6
5	26	88	1400	0.25	5.4	178	0.33	284	9.5
5	26	88	2000	0.24	6.2	182	0.21	281	9.5
5	27	88	200	0.30	5.0	164	0.17	266	9.6
5	27	88	800	0.53	5.0	147	0.40	276	9.7
5	27	88	1400	0.42	4.7	162	0.24	279	9.5
5	27	88	2000	0.28	6.6	180	0.17	290	9.4
5	28	88	200	0.22	9.5	201	0.09	103	9.5
5	28	88	800	0.21	8.8	190	0.19	118	9.7
5	28	88	1400	0.23	10.2	198	0.09	201	9.4
5	28	88	2000	0.24	9.5	198	0.07	29	9.3
5	29	88	200	0.27	5.2	149	0.07	6	9.5
5	29	88	800	0.21	9.5	196	0.07	152	9.7
5	29	88	1400	0.27	7.3	203	0.13	291	9.4
5	29	88	2000	0.37	4.5	159	0.18	278	9.3
5	30	88	200	0.43	7.8	196	0.14	56	9.5
5	30	88	800	0.37	7.3	195	0.11	166	9.8
5	30	88	1400	0.48	8.3	197	0.27	255	9.4
5	30	88	2000	0.55	7.8	196	0.25	278	9.2
5	31	88	200	0.55	6.0	185	0.15	4	9.5
5	31	88	800	0.48	6.0	177	0.14	302	9.9
5	31	88	1400	0.76	5.7	171	0.29	254	9.5
5	31	88	2000	0.75	6.6	176	0.25	286	9.2
6	1	88	200	0.57	5.7	160	0.17	329	9.5
6	1	88	800	0.48	6.0	175	0.13	340	10.0
6	1	88	1400	0.59	7.8	199	0.29	264	9.7
6	1	88	2000	0.46	6.9	191	0.22	280	9.1
6	2	88	200	0.51	6.2	176	0.14	91	9.4
6	2	88	800	0.33	6.0	167	0.08	152	9.8
6	2	88	1400	0.26	6.2	167	0.08	123	9.7
6	2	88	2000	0.43	6.2	186	0.10	14	9.1
6	3	88	200	0.45	5.7	186	0.09	13	9.3
6	3	88	800	0.41	4.2	239	0.16	263	9.7
6	3	88	1400	0.30	4.2	229	0.09	258	9.7
6	3	88	2000	0.63	4.2	250	0.13	67	9.1
6	4	88	200	0.34	4.2	246	0.08	270	9.2
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6	4	88	2000	0.43	4.2	139	0.22	291	9.3
6	5	88	200	1.03	5.7	162	0.29	278	9.4

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 APRIL - JULY 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
6	5	88	800	1.16	6.2	174	0.26	21	9.7
6	5	88	1400	1.00	4.5	145	0.21	305	9.8
6	5	88	2000	0.78	4.7	146	0.19	274	9.5
6	6	88	200	0.71	6.6	189	0.25	275	9.4
6	6	88	800	0.61	6.0	179	0.15	289	9.7
6	6	88	1400	0.65	5.7	194	0.16	278	9.8
6	6	88	2000	0.40	5.4	185	0.14	255	9.5
6	7	88	200	0.33	6.2	213	0.12	277	9.5
6	7	88	800	0.36	5.2	209	0.08	276	9.5
6	7	88	1400	0.35	4.8	206	0.11	255	9.6
6	7	88	2000	0.24	5.4	214	0.07	301	9.5
6	8	88	200	0.21	5.0	193	0.06	238	9.6
6	8	88	800	0.26	4.5	196	0.06	21	9.6
6	8	88	1400	0.24	4.3	190	0.05	192	9.5
6	8	88	2000	0.49	4.2	209	0.08	347	9.5
6	9	88	200	0.51	4.3	218	0.09	295	9.6
6	9	88	800	0.54	4.3	236	0.09	320	9.7
6	9	88	1400	0.80	4.7	224	0.13	8	9.5
6	9	88	2000	0.95	5.0	225	0.28	98	9.5
6	10	88	200	0.56	4.7	232	0.12	67	9.7
6	10	88	800	0.38	4.7	233	0.09	37	9.7
6	10	88	1400	0.28	4.5	217	0.07	223	9.3
6	10	88	2000	0.23	6.6	196	0.10	276	9.3
6	11	88	200	0.21	6.0	191	0.07	134	9.6
6	11	88	800	0.29	6.6	188	0.11	127	9.8
6	11	88	1400	0.30	7.8	199	0.11	283	9.4
6	11	88	2000	0.34	7.3	196	0.10	95	9.3
6	12	88	200	0.34	6.9	202	0.10	291	9.6
6	12	88	800	0.49	4.3	145	0.09	185	9.9
6	12	88	1400	0.79	6.2	175	0.21	278	9.5
6	12	88	2000	0.73	6.0	161	0.17	287	9.3
6	13	88	200	0.40	5.4	168	0.10	96	9.6
6	13	88	800	0.74	4.8	155	0.15	98	10.0
6	13	88	1400	0.69	6.6	177	0.15	147	9.6
6	13	88	2000	0.49	6.0	174	0.13	95	9.3
6	14	88	200	0.45	6.2	174	0.11	87	9.5
6	14	88	800	0.49	5.7	175	0.09	90	10.0
6	14	88	1400	0.61	6.2	170	0.15	264	9.6
6	14	88	2000	0.37	5.7	164	0.10	64	9.3
6	15	88	200	0.31	4.8	158	0.09	92	9.5
6	15	88	800	0.35	5.7	169	0.07	250	9.9
6	15	88	1400	0.29	6.0	180	0.11	136	9.7
6	15	88	2000	0.37	6.2	175	0.11	100	9.3
6	16	88	200	0.34	5.4	178	0.10	67	9.4
6	16	88	800	0.25	6.0	187	0.07	58	9.8
6	16	88	1400	0.25	6.0	182	0.09	135	9.7
6	16	88	2000	0.44	6.0	184	0.10	62	9.2
6	17	88	200	0.37	6.0	192	0.06	305	9.4
6	17	88	800	0.28	7.3	196	0.09	284	9.8

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 APRIL - JULY 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
6	17	88	1400	0.29	6.6	199	0.07	315	9.7
6	17	88	2000	0.36	6.2	194	0.09	105	9.3
6	18	88	200	0.32	5.4	198	0.07	269	9.4
6	18	88	800	0.21	4.7	197	0.07	106	9.7
6	18	88	1400	0.17	6.6	194	0.04	223	9.7
6	18	88	2000	0.19	5.2	196	0.07	270	9.4
6	19	88	200	0.15	6.0	195	0.06	266	9.4
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6	20	88	200	0.16	5.2	196	0.16	284	9.4
6	20	88	800	0.23	5.7	196	0.06	89	9.6
6	20	88	1400	0.34	6.2	194	0.09	234	9.6
6	20	88	2000	0.34	5.4	183	0.12	110	9.4
6	21	88	200	0.26	5.0	180	0.14	104	9.5
6	21	88	800	0.28	8.3	193	0.08	63	9.5
6	21	88	1400	0.42	7.3	191	0.23	119	9.6
6	21	88	2000	0.48	6.6	200	0.13	167	9.5
6	22	88	200	0.64	6.6	199	0.21	313	9.5
6	22	88	800	0.48	7.8	198	0.14	168	9.6
6	22	88	1400	0.46	6.6	197	0.12	123	9.6
6	22	88	2000	0.35	6.6	196	0.15	129	9.5
6	23	88	200	0.37	7.3	204	0.12	256	9.6
6	23	88	800	0.39	7.3	202	0.11	69	9.6
6	23	88	1400	0.37	6.9	192	0.14	277	9.5
6	23	88	2000	0.30	6.2	191	0.08	136	9.4
6	24	88	200	0.32	6.6	202	0.14	113	9.6
6	24	88	800	0.28	6.9	189	0.08	103	9.6
6	24	88	1400	0.24	5.7	198	0.08	196	9.4
6	24	88	2000	0.25	5.4	203	0.09	278	9.4
6	25	88	200	0.40	6.9	205	0.13	290	9.6
6	25	88	800	0.45	6.6	205	0.12	313	9.7
6	25	88	1400	0.40	6.9	213	0.14	276	9.4
6	25	88	2000	0.47	5.7	215	0.11	271	9.3
6	26	88	200	0.35	5.4	214	0.08	25	9.6
6	26	88	800	0.31	5.7	227	0.07	176	9.7
6	26	88	1400	0.25	4.7	235	0.07	243	9.3
6	26	88	2000	0.37	4.5	250	0.08	77	9.2
6	27	88	200	0.24	4.2	242	0.11	126	9.7
6	27	88	800	0.22	4.2	227	0.06	212	9.8
6	27	88	1400	0.26	4.2	236	0.06	236	9.3
6	27	88	2000	0.48	4.3	252	0.09	271	9.2
6	28	88	200	0.27	4.2	243	0.20	271	9.6
6	28	88	800	0.28	4.3	249	0.09	290	9.9
6	28	88	1400	0.28	4.3	241	0.15	267	9.4
6	28	88	2000	0.21	4.3	239	0.09	276	9.1
6	29	88	200	0.16	4.2	220	0.04	310	9.6
6	29	88	800	0.19	4.3	234	0.07	266	9.9
6	29	88	1400	0.33	4.3	240	0.08	290	9.5

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 APRIL - JULY 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
6	29	88	2000	0.45	4.3	238	0.11	278	9.1
6	30	88	200	0.39	4.5	237	0.10	310	9.5
6	30	88	800	0.52	4.7	239	0.10	311	9.9
6	30	88	1400	0.69	4.8	233	0.17	312	9.5
6	30	88	2000	0.40	5.0	241	0.11	299	9.1
7	1	88	200	0.32	4.3	239	0.12	281	9.4
7	1	88	800	0.49	4.5	237	0.10	336	9.8
7	1	88	1400	0.35	5.0	246	0.07	343	9.6
7	1	88	2000	0.23	4.7	241	0.05	267	9.2
7	2	88	200	0.18	4.2	251	0.05	64	9.3
7	2	88	800	0.16	4.3	187	0.07	267	9.8
7	2	88	1400	0.17	4.2	235	0.04	320	9.8
7	2	88	2000	0.16	4.2	235	0.06	330	9.2
7	3	88	200	0.18	4.2	216	0.07	289	9.4
7	3	88	1400	0.18	4.2	230	0.08	288	9.8
7	3	88	2000	0.16	4.2	225	0.03	64	9.4
7	4	88	800	0.32	5.4	161	0.10	313	9.6
7	4	88	1400	0.33	4.8	157	0.11	287	9.7
7	4	88	2000	0.59	4.2	152	0.32	281	9.5
7	5	88	200	0.29	4.3	165	0.20	253	9.6
7	5	88	800	0.36	4.5	158	0.18	249	9.6
7	5	88	1400	0.60	5.0	165	0.30	279	9.6
7	5	88	2000	0.44	5.0	162	0.15	295	9.5
7	6	88	200	0.42	4.2	153	0.17	276	9.5
7	6	88	800	0.55	5.4	166	0.23	280	9.5
7	6	88	1400	0.46	5.7	168	0.12	303	9.5
7	6	88	2000	0.26	4.3	150	0.31	296	9.5
7	7	88	200	0.50	4.3	149	0.23	279	9.7
7	7	88	800	0.59	4.8	155	0.24	279	9.6
7	7	88	1400	0.63	5.4	161	0.30	276	9.4
7	7	88	2000	0.49	5.2	164	0.19	292	9.5
7	8	88	200	0.38	4.5	163	0.14	292	9.8
7	8	88	800	0.57	4.3	159	0.20	282	9.7
7	8	88	1400	0.71	6.6	178	0.24	275	9.4
7	8	88	2000	0.48	6.2	173	0.16	319	9.5
7	9	88	200	0.51	6.6	181	0.13	291	9.8
7	9	88	800	0.39	6.2	182	0.09	345	9.8
7	9	88	1400	0.41	4.2	168	0.23	276	9.4
7	9	88	2000	0.48	5.2	175	0.21	278	9.4
7	10	88	200	0.45	5.2	176	0.12	293	9.7
7	10	88	800	0.37	5.2	178	0.12	301	9.8
7	10	88	1400	0.29	4.3	181	0.15	283	9.3
7	10	88	2000	0.41	4.5	214	0.07	12	9.3
7	11	88	200	0.41	4.2	214	0.08	268	9.7
7	11	88	800	0.37	4.3	236	0.06	36	9.9
7	11	88	1400	0.49	4.5	209	0.08	55	9.4
7	11	88	2000	0.58	4.5	195	0.17	283	9.2

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 APRIL - JULY 1988
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
7	12	88	200	0.53	4.3	209	0.14	276	9.5
7	12	88	800	0.40	4.7	221	0.09	313	9.9
7	12	88	1400	0.36	4.2	203	0.09	259	9.5
7	12	88	2000	0.29	4.3	212	0.08	315	9.2
7	13	88	200	0.43	6.6	190	0.11	88	9.5
7	13	88	800	0.45	5.7	192	0.10	316	9.9
7	13	88	1400	0.41	4.7	208	0.10	309	9.5
7	13	88	2000	0.37	7.8	203	0.14	286	9.3
7	14	88	200	0.39	6.9	190	0.17	282	9.5
7	14	88	800	0.39	6.6	193	0.12	286	9.9
7	14	88	1400	0.32	5.7	191	0.10	276	9.6
7	14	88	2000	0.30	6.6	189	0.09	268	9.3
7	15	88	200	0.33	6.0	183	0.08	345	9.4
7	15	88	800	0.35	8.8	206	0.09	284	9.7
7	15	88	1400	0.36	6.2	203	0.11	308	9.6
7	15	88	2000	0.42	6.2	201	0.12	273	9.3
7	16	88	200	0.30	5.4	200	0.08	279	9.4
7	16	88	800	0.23	6.6	194	0.09	253	9.7
7	16	88	1400	0.25	6.2	197	0.14	281	9.7
7	16	88	2000	0.24	4.5	238	0.10	283	9.3
7	17	88	200	0.23	4.5	203	0.12	253	9.4
7	17	88	800	0.19	4.3	162	0.15	275	9.7
7	17	88	1400	0.30	4.2	176	0.10	277	9.7
7	17	88	2000	0.36	4.2	213	0.07	319	9.4
7	18	88	200	0.35	4.2	234	0.08	262	9.5
7	18	88	800	0.44	4.3	239	0.07	56	9.6
7	18	88	1400	0.64	4.2	223	0.10	118	9.7
7	18	88	2000	0.45	4.5	237	0.10	301	9.5
7	19	88	200	0.46	4.2	238	0.08	284	9.6
7	19	88	800	0.55	4.2	244	0.10	126	9.6
7	19	88	1400	0.43	4.7	236	0.08	268	9.6
7	19	88	2000	0.42	4.3	196	0.14	281	9.4
7	20	88	200	0.46	4.8	162	0.09	220	9.6
7	20	88	800	0.40	4.8	164	0.08	128	9.6
7	20	88	1400	0.35	5.2	170	0.11	273	9.6
7	20	88	2000	0.36	5.0	167	0.11	278	9.5
7	21	88	200	0.41	5.2	175	0.09	253	9.6
7	21	88	800	0.35	5.4	175	0.11	269	9.5
7	21	88	1400	0.29	4.8	165	0.12	284	9.4
7	21	88	2000	0.28	5.7	176	0.09	296	9.4
7	22	88	200	0.25	4.5	187	0.13	257	9.6
7	22	88	800	0.26	4.5	203	0.16	274	9.5
7	22	88	1400	0.53	4.2	251	0.13	278	9.3
7	22	88	2000	0.32	4.3	226	0.16	289	9.4
7	23	88	200	0.61	4.2	205	0.21	279	9.6
7	23	88	800	0.35	4.3	220	0.20	289	9.5
7	23	88	1400	0.33	4.3	224	0.07	305	9.2
7	23	88	2000	0.36	4.2	228	0.09	129	9.4
7	24	88	200	0.26	4.3	219	0.16	276	9.7

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 56
 NOV 1988 - FEB 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
11	15	88	1700	0.52	4.5	185	0.23	259	9.5
11	15	88	2300	1.02	5.4	192	0.61	316	9.9
11	16	88	500	1.08	5.7	186	0.56	323	9.8
11	16	88	1100	0.80	6.0	187	0.42	258	9.5
11	16	88	1700	0.76	5.7	191	0.36	239	9.6
11	16	88	2300	0.61	5.4	200	0.32	258	9.8
11	17	88	500	0.37	6.2	187	0.22	116	9.7
11	17	88	1100	0.28	6.6	189	0.22	111	9.5
11	17	88	1700	0.29	7.8	195	0.20	102	9.5
11	17	88	2300	0.24	6.2	186	0.30	234	9.7
11	18	88	500	0.43	4.2	154	0.32	279	9.7
11	18	88	1100	0.66	4.5	157	0.38	246	9.6
11	18	88	1700	0.48	4.7	166	0.47	273	9.6
11	18	88	2300	0.55	4.5	168	0.31	73	9.6
11	19	88	500	0.77	5.2	164	0.36	189	9.7
11	19	88	1100	1.12	5.2	175	0.75	286	9.7
11	19	88	1700	1.03	6.2	187	0.60	288	9.8
11	19	88	2300	0.98	7.3	190	0.59	280	9.7
11	20	88	500	1.33	5.4	187	0.67	258	9.6
11	20	88	1100	1.00	6.6	188	0.56	127	9.7
11	20	88	1700	0.81	5.4	214	0.43	274	9.8
11	20	88	2300	0.51	8.3	196	0.33	127	9.5
11	21	88	500	0.39	7.3	200	0.40	135	9.3
11	21	88	1100	0.27	8.8	202	0.37	135	9.6
11	21	88	1700	0.28	8.8	196	0.34	184	9.8
11	21	88	2300	0.37	12.2	199	0.26	105	9.6
11	22	88	500	0.45	11.1	197	0.32	162	9.2
11	22	88	1100	0.69	11.1	192	0.42	247	9.5
11	22	88	1700	0.71	11.1	193	0.50	201	9.8
11	22	88	2300	0.75	12.2	197	0.56	153	9.8
11	23	88	500	0.58	9.5	187	0.44	207	9.2
11	23	88	1100	0.30	7.3	183	0.39	152	9.4
11	23	88	1700	0.18	7.8	186	0.35	112	9.7
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11	25	88	500	0.32	4.2	164	0.41	283	9.3
11	25	88	1100	0.54	4.2	168	0.37	281	9.3
11	25	88	1700	0.92	5.0	166	0.46	276	9.6
11	25	88	2300	1.18	5.2	167	0.49	191	9.9
11	26	88	500	1.51	5.7	176	0.80	263	9.4
11	26	88	1100	1.66	6.6	187	0.99	267	9.4
11	26	88	1700	1.77	7.8	191	1.02	284	9.6
11	26	88	2300	1.36	7.8	187	0.80	296	10.0
11	27	88	500	1.24	7.3	209	0.78	261	9.6
11	27	88	1100	1.44	7.3	199	0.87	257	9.4
11	27	88	1700	1.27	7.8	215	0.73	120	9.7

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 56
 NOV 1988 - FEB 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
11	27	88	2300	0.64	7.8	216	0.46	102	9.9
11	28	88	500	0.42	6.9	212	0.45	114	9.5
11	28	88	1100	0.45	4.5	267	0.61	113	9.2
11	28	88	1700	0.31	8.3	222	0.59	120	9.3
11	28	88	2300	0.17	7.8	228	0.47	123	9.6
11	29	88	1100	0.37	4.3	141	0.26	176	9.3
11	29	88	1700	0.32	4.3	148	0.30	122	9.4
11	29	88	2300	0.25	4.5	166	0.19	121	9.7
11	30	88	500	0.27	4.5	179	0.26	142	9.6
11	30	88	1100	0.28	5.7	185	0.37	121	9.4
11	30	88	1700	0.18	4.8	177	0.19	115	9.5
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12	1	88	2300	0.21	4.2	245	0.41	112	9.3
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12	4	88	500	0.17	4.2	238	0.17	109	9.4
12	4	88	1100	0.19	4.3	250	0.17	100	9.5
12	4	88	1700	0.22	4.3	231	0.20	92	9.6
12	4	88	2300	0.17	4.5	253	0.26	121	9.4
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12	5	88	1700	0.21	4.2	143	0.42	278	9.8
12	5	88	2300	0.18	4.2	159	0.34	285	9.6
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12	6	88	2300	0.16	7.3	204	0.20	56	9.6
12	7	88	500	0.26	4.2	175	0.12	111	9.2
12	7	88	1100	0.46	4.2	155	0.14	156	9.4
12	7	88	1700	0.32	4.3	163	0.25	288	9.8
12	7	88	2300	0.25	4.2	158	0.10	287	9.8
12	8	88	500	0.38	4.3	176	0.14	111	9.3
12	8	88	1100	0.25	4.2	185	0.18	100	9.5
12	8	88	1700	0.69	6.0	196	0.37	185	9.8
12	8	88	2300	0.64	6.9	200	0.35	230	9.9
12	9	88	500	0.59	5.7	187	0.34	189	9.3
12	9	88	1100	0.45	6.6	195	0.33	103	9.4
12	9	88	1700	0.27	6.2	187	0.33	130	9.7
12	9	88	2300	0.18	6.2	204	0.28	128	9.8

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 56
 NOV 1988 - FEB 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
12	10	88	500	0.15	7.3	197	0.33	127	9.2
12	10	88	1100	0.20	6.6	200	0.32	138	9.3
12	10	88	1700	0.19	6.0	188	0.21	275	9.7
12	10	88	2300	0.17	6.9	184	0.13	199	10.0
12	11	88	500	0.23	6.2	189	0.32	104	9.4
12	11	88	1100	0.47	4.3	140	0.21	168	9.3
12	11	88	1700	0.37	4.7	148	0.18	147	9.6
12	11	88	2300	0.34	4.8	160	0.22	269	10.0
12	12	88	500	0.38	6.9	199	0.20	167	9.5
12	12	88	1100	0.53	6.9	195	0.29	136	9.3
12	12	88	1700	0.27	5.4	170	0.37	111	9.5
12	12	88	2300	0.15	6.2	181	0.31	120	9.8
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12	13	88	1700	0.21	4.2	259	0.43	113	9.4
12	13	88	2300	0.21	4.3	253	0.35	114	9.7
12	14	88	500	0.18	6.9	217	0.32	124	9.4
12	14	88	1100	0.33	4.8	249	0.34	112	9.2
12	14	88	1700	0.50	4.7	205	0.52	235	9.4
12	14	88	2300	0.88	4.7	160	0.39	286	9.7
12	15	88	500	0.97	5.0	189	0.61	285	9.6
12	15	88	1100	1.08	5.4	186	0.67	282	9.5
12	15	88	1700	0.72	4.8	189	0.31	238	9.5
12	15	88	2300	0.49	5.4	213	0.25	143	9.6
12	16	88	500	0.29	5.2	192	0.27	97	9.5
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12	17	88	1100	0.39	4.3	258	0.57	110	9.5
12	17	88	1700	0.30	4.5	263	0.70	116	9.5
12	17	88	2300	0.24	4.2	257	0.48	114	9.2
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12	19	88	1700	0.18	6.2	194	0.31	275	9.8
12	19	88	2300	0.87	4.5	161	0.63	290	9.6
12	20	88	500	0.93	5.0	178	0.56	277	9.4
12	20	88	1100	1.12	5.7	186	0.56	244	9.6
12	20	88	1700	1.25	6.6	190	0.60	283	10.0
12	20	88	2300	0.99	6.2	187	0.52	195	9.7
12	21	88	500	0.97	6.0	190	0.56	123	9.2
12	21	88	1100	0.91	7.8	194	0.53	116	9.5
12	21	88	1700	0.73	6.9	197	0.45	109	9.9
12	21	88	2300	0.62	6.0	200	0.42	128	9.8
12	22	88	500	0.57	6.6	197	0.38	117	9.2

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 56
 NOV 1988 - FEB 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
12	22	88	1100	0.53	6.6	206	0.46	123	9.3
12	22	88	1700	0.63	4.2	186	0.31	163	9.7
12	22	88	2300	0.61	5.4	205	0.29	253	9.9
12	23	88	500	0.63	5.0	196	0.33	149	9.3
12	23	88	1100	0.72	5.4	197	0.36	128	9.3
12	23	88	1700	0.62	6.0	197	0.31	295	9.7
12	23	88	2300	0.64	5.0	182	0.32	258	9.8
12	24	88	500	0.60	4.3	157	0.32	268	9.3
12	24	88	1100	0.56	4.7	182	0.25	87	9.3
12	24	88	1700	0.51	5.2	180	0.25	268	9.6
12	24	88	2300	0.53	5.4	185	0.25	144	9.8
12	25	88	500	0.45	6.2	195	0.28	97	9.3
12	25	88	1100	0.28	7.8	199	0.25	106	9.2
12	25	88	1700	0.26	8.3	206	0.17	160	9.5
12	25	88	2300	0.21	6.9	209	0.16	265	9.7
12	26	88	500	0.18	7.3	199	0.17	117	9.4
12	26	88	1100	0.52	4.2	153	0.33	263	9.3
12	26	88	1700	0.42	4.5	160	0.22	54	9.5
12	26	88	2300	0.46	4.7	165	0.21	248	9.7
12	27	88	500	0.97	5.0	161	0.49	285	9.5
12	27	88	1100	0.99	5.7	176	0.53	281	9.5
12	27	88	1700	0.94	6.2	188	0.46	353	9.6
12	27	88	2300	0.97	6.0	184	0.45	261	9.8
12	28	88	500	0.97	5.7	192	0.51	138	9.5
12	28	88	1100	0.74	6.9	197	0.44	327	9.3
12	28	88	1700	0.51	6.9	195	0.44	105	9.4
12	28	88	2300	0.37	6.9	195	0.36	122	9.6
12	29	88	500	0.36	7.3	193	0.27	111	9.5
12	29	88	1100	0.38	6.9	196	0.25	246	9.5
12	29	88	1700	0.30	7.8	199	0.28	261	9.6
12	29	88	2300	0.29	7.3	200	0.23	260	9.6
12	30	88	500	0.31	7.8	189	0.16	94	9.5
12	30	88	1100	0.46	4.2	165	0.23	262	9.6
12	30	88	1700	0.72	4.5	186	0.39	297	9.6
12	30	88	2300	0.67	5.4	197	0.34	279	9.6
12	31	88	500	0.56	5.2	187	0.29	245	9.5
12	31	88	1100	0.53	5.7	198	0.38	238	9.6
12	31	88	1700	0.71	5.2	191	0.35	271	9.7
12	31	88	2300	0.56	6.2	192	0.32	277	9.6
1	1	89	500	0.52	6.0	197	0.28	262	9.5
1	1	89	1100	0.53	5.4	192	0.26	211	9.6
1	1	89	1700	0.44	6.2	194	0.25	249	9.7
1	1	89	2300	0.40	6.0	205	0.23	255	9.5
1	2	89	500	0.32	5.7	199	0.18	163	9.3
1	2	89	1100	0.24	6.9	199	0.15	177	9.5
1	2	89	1700	0.22	6.2	201	0.15	241	9.7
1	2	89	2300	0.23	6.9	195	0.20	253	9.5
1	3	89	500	0.19	7.3	197	0.11	170	9.3
1	3	89	1100	0.55	4.3	224	0.23	121	9.5

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 56
 NOV 1988 - FEB 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
1	3	89	1700	0.96	5.0	227	0.65	114	9.7
1	3	89	2300	0.71	5.7	235	0.45	96	9.4
1	4	89	500	0.28	5.7	228	0.37	104	9.1
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1	5	89	1100	0.28	4.2	149	0.08	297	9.4
1	5	89	1700	0.25	4.2	151	0.09	236	9.8
1	5	89	2300	0.65	4.2	184	0.23	246	9.8
1	6	89	500	1.37	6.2	214	0.71	274	9.2
1	6	89	1100	1.14	6.2	199	0.60	286	9.3
1	6	89	1700	0.91	5.4	208	0.45	310	9.8
1	6	89	2300	0.89	6.0	207	0.41	259	9.8
1	7	89	500	0.63	5.4	201	0.32	278	9.3
1	7	89	1100	0.55	5.7	212	0.27	219	9.4
1	7	89	1700	0.68	5.2	198	0.46	224	9.7
1	7	89	2300	0.81	5.7	206	0.37	249	9.9
1	8	89	500	1.09	6.2	211	0.54	152	9.3
1	8	89	1100	1.02	6.2	203	0.56	297	9.3
1	8	89	1700	0.86	6.2	199	0.45	210	9.7

EAST PASS, DESTIN, FLORIDA
 635-12 GAGE 19
 FEBRUARY 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	TP (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
2	1	89	1245	0.40	4.2	217	0.19	321	9.7
2	1	89	1845	0.43	4.3	201	0.27	299	9.8
2	2	89	45	0.41	4.5	180	0.39	286	9.4
2	2	89	645	0.31	4.2	189	0.33	292	9.4
2	2	89	1245	0.27	4.2	180	0.47	288	9.7
2	2	89	1845	0.30	5.2	218	0.40	292	9.9
2	3	89	45	0.46	5.0	210	0.32	287	9.4
2	3	89	645	0.47	4.5	206	0.23	62	9.2
2	3	89	1245	0.55	5.2	210	0.36	293	9.6
2	3	89	1845	0.65	5.2	202	0.44	289	10.0
2	4	89	45	0.45	5.7	199	0.42	295	9.5
2	4	89	645	0.31	6.6	211	0.26	335	9.2
2	4	89	1245	0.36	7.3	202	0.30	202	9.5
2	4	89	1845	0.33	5.7	191	0.22	28	9.9
2	5	89	45	0.24	6.2	201	0.20	332	9.6
2	5	89	645	0.26	7.3	195	0.22	277	9.3
2	5	89	1245	0.27	7.3	190	0.30	288	9.5
2	5	89	1845	0.40	5.7	195	0.58	283	9.9
2	6	89	45	0.54	4.5	186	0.68	282	9.8
2	6	89	645	0.63	6.9	192	0.52	287	9.3
2	6	89	1245	0.50	6.9	201	0.55	301	9.5
2	6	89	1845	0.54	5.7	190	0.45	280	9.8
2	7	89	45	0.47	6.2	184	0.46	287	9.9
2	7	89	645	0.29	5.4	184	0.39	318	9.4
2	7	89	1245	0.24	5.7	187	0.21	32	9.5
2	7	89	1845	0.22	7.3	199	0.22	324	9.6
2	8	89	45	0.22	6.9	196	0.16	93	9.8
2	8	89	645	0.15	6.6	192	0.16	241	9.5
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2	9	89	1845	0.20	9.5	188	0.34	97	9.4
2	10	89	45	0.19	9.5	191	0.31	100	9.4

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 APRIL - JUNE 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
4	18	89	1230	0.20	5.2	185	0.26	95	9.4
4	18	89	1830	0.18	5.0	202	0.13	82	9.3
4	19	89	30	0.17	4.8	193	0.08	75	9.4
4	19	89	630	0.19	5.2	185	0.11	84	9.5
4	19	89	1230	0.21	5.0	180	0.13	95	9.4
4	19	89	1830	0.31	4.7	166	0.19	87	9.2
4	20	89	30	0.24	4.7	197	0.17	102	9.4
4	20	89	630	0.18	8.3	195	0.16	96	9.6
4	20	89	1230	0.16	7.8	192	0.16	124	9.4
4	20	89	1830	0.16	5.7	190	0.18	107	9.2
4	21	89	30	0.16	8.3	193	0.21	85	9.3
4	21	89	1230	0.30	4.3	166	0.17	89	9.5
4	21	89	1830	0.16	4.3	183	0.20	105	9.2
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4	24	89	1230	0.17	4.7	211	0.13	99	9.7
4	24	89	1830	0.16	4.8	184	0.11	86	9.2
4	25	89	30	0.21	4.3	173	0.09	106	9.2
4	25	89	630	0.27	4.5	183	0.15	103	9.5
4	25	89	1230	0.20	4.7	192	0.15	99	9.7
4	25	89	1830	0.22	4.2	202	0.08	102	9.3
4	26	89	30	0.30	4.2	201	0.14	101	9.1
4	26	89	630	0.31	4.2	199	0.16	95	9.5
4	26	89	1230	0.22	4.7	164	0.19	109	9.7
4	26	89	1830	0.20	4.7	217	0.23	102	9.3
4	27	89	30	0.32	4.2	257	0.19	97	9.1
4	27	89	630	0.26	6.2	208	0.42	106	9.4
4	27	89	1230	0.32	4.2	211	0.33	86	9.7
4	27	89	1830	0.31	4.5	253	0.39	97	9.4
4	28	89	30	0.42	4.2	183	0.37	97	9.1
4	28	89	630	0.33	4.5	255	0.39	99	9.4
4	28	89	1230	0.33	5.7	225	0.45	120	9.7
4	28	89	1830	0.36	5.2	165	0.40	70	9.5
4	29	89	30	0.47	4.7	166	0.48	93	9.2
4	29	89	630	0.40	5.4	218	0.46	103	9.4
4	29	89	1230	0.33	5.0	162	0.53	110	9.6
4	29	89	1830	0.58	4.8	153	0.57	88	9.5
4	30	89	30	0.57	6.6	182	0.63	316	9.3
4	30	89	630	0.40	6.0	145	0.53	4	9.4
4	30	89	1230	0.39	5.2	157	0.47	38	9.5

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 APRIL - JUNE 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
4	30	89	1830	0.39	5.2	253	0.51	346	9.6
5	1	89	30	0.65	4.3	239	0.51	310	9.4
5	1	89	630	1.13	4.8	192	0.56	338	9.5
5	1	89	1230	1.02	7.3	185	0.65	263	9.5
5	1	89	1830	0.81	8.3	174	0.62	292	9.5
5	2	89	30	0.80	7.3	175	0.69	264	9.4
5	2	89	630	0.50	6.2	227	0.64	177	9.5
5	2	89	1230	0.39	6.2	153	0.63	291	9.4
5	2	89	1830	0.28	6.2	183	0.65	199	9.3
5	3	89	30	0.39	4.2	254	0.62	255	9.4
5	3	89	630	0.23	6.6	154	0.61	328	9.6
5	3	89	1230	0.15	6.9	122	0.62	189	9.3
5	3	89	1830	0.18	6.9	251	0.60	172	9.2
5	4	89	30	0.16	7.3	233	0.52	215	9.4
5	4	89	630	0.18	6.9	236	0.50	257	9.7
5	4	89	1230	0.46	4.2	255	0.45	285	9.4
5	4	89	1830	0.62	4.5	233	0.58	287	9.1
5	5	89	30	0.50	4.2	232	0.47	111	9.4
5	5	89	630	0.76	4.8	176	0.51	202	9.8
5	5	89	1230	1.02	6.0	192	0.57	274	9.6
5	5	89	1830	0.91	5.7	196	0.63	77	9.1
5	6	89	30	0.80	5.2	161	0.59	77	9.4
5	6	89	630	0.60	6.0	164	0.57	82	9.8
5	6	89	1230	0.56	6.0	161	0.47	70	9.7
5	6	89	1830	0.90	4.3	166	0.50	116	9.1
5	7	89	30	0.34	4.2	250	0.50	316	9.2
5	7	89	630	0.17	7.8	137	0.49	329	9.6
5	7	89	1230	0.17	6.9	152	0.58	180	9.7
5	7	89	1830	0.58	4.2	234	0.49	356	9.0
5	8	89	30	0.19	6.6	244	0.57	274	9.1
5	8	89	1230	0.17	5.4	129	0.49	350	9.8
5	8	89	1830	0.25	4.2	133	0.54	225	9.2
5	9	89	30	0.85	4.3	175	0.60	270	9.1
5	9	89	630	1.10	5.7	202	0.62	169	9.5
5	9	89	1230	0.81	5.4	184	0.57	297	9.7
5	9	89	1830	0.87	5.4	186	0.58	160	9.3
5	10	89	30	0.93	6.6	201	0.56	211	9.1
5	10	89	630	1.09	6.2	182	0.52	285	9.4
5	10	89	1230	0.71	6.6	175	0.56	337	9.6
5	10	89	1830	0.40	6.0	220	0.51	301	9.4
5	11	89	30	0.23	6.0	256	0.57	235	9.2
5	11	89	1830	0.16	6.2	221	0.54	317	9.4
5	12	89	30	0.21	4.2	210	0.48	77	9.1
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EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 APRIL - JUNE 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
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5	14	89	1830	0.16	4.2	258	0.61	283	9.4
5	15	89	30	0.31	4.8	132	0.55	88	9.4
5	15	89	630	0.30	4.3	115	0.52	102	9.5
5	15	89	1230	0.33	4.7	149	0.67	111	9.4
5	15	89	1830	0.32	5.2	209	0.57	113	9.3
5	16	89	30	0.27	5.2	199	0.62	103	9.4
5	16	89	630	0.20	5.4	209	0.64	100	9.5
5	16	89	1230	0.20	5.0	131	0.78	178	9.4
5	16	89	1830	0.19	8.3	194	0.69	186	9.2
5	17	89	30	0.19	6.2	162	0.56	211	9.3
5	17	89	630	0.18	6.0	232	0.44	203	9.5
5	17	89	1230	0.26	7.8	183	0.61	208	9.4
5	17	89	1830	0.31	4.7	220	0.56	111	9.3
5	18	89	30	0.34	4.8	134	0.63	45	9.4
5	18	89	630	0.28	5.0	127	0.55	107	9.6
5	18	89	1230	0.42	5.4	207	0.59	186	9.3
5	18	89	1830	0.91	4.8	196	0.65	294	9.2
5	19	89	30	0.50	5.0	145	0.63	325	9.4
5	19	89	630	0.93	4.8	184	0.60	18	9.8
5	19	89	1230	1.09	5.7	176	0.56	4	9.6
5	19	89	1830	0.83	5.0	185	0.38	86	9.2
5	20	89	30	0.90	5.4	158	0.70	17	9.3
5	20	89	630	0.70	5.0	170	0.61	170	9.7
5	20	89	1230	0.57	6.0	173	0.22	101	9.5
5	20	89	1830	0.50	5.7	179	0.20	91	9.1
5	21	89	30	0.38	4.5	173	0.19	86	9.4
5	21	89	630	0.34	5.0	157	0.20	103	9.7
5	21	89	1230	0.35	6.0	206	0.21	82	9.6
5	21	89	1830	0.32	5.7	179	0.26	114	9.1
5	22	89	30	0.31	10.2	154	0.29	97	9.2
5	22	89	630	0.30	9.5	167	0.25	100	9.6
5	22	89	1230	0.26	10.2	183	0.22	82	9.6
5	22	89	1830	0.36	9.5	166	0.32	83	9.1
5	23	89	30	0.35	4.8	187	0.30	111	9.2
5	23	89	630	0.60	4.5	187	0.31	111	9.6
5	23	89	1230	0.50	4.7	203	0.30	94	9.7
5	23	89	1830	0.69	4.5	175	0.28	93	9.1
5	24	89	30	0.59	5.2	203	0.25	81	9.2
5	24	89	630	0.58	5.0	161	0.33	76	9.6
5	24	89	1230	0.51	5.0	181	0.31	90	9.7
5	24	89	1830	0.61	4.8	173	0.30	66	9.2
5	25	89	30	0.57	4.8	200	0.31	107	9.1

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 APRIL - JUNE 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
5	25	89	630	0.66	5.2	191	0.37	113	9.4
5	25	89	1230	0.64	5.0	206	0.35	60	9.7
5	25	89	1830	0.55	4.8	210	0.34	98	9.3
5	26	89	30	0.66	5.2	154	0.40	118	9.2
5	26	89	630	0.84	5.4	187	0.36	97	9.4
5	26	89	1230	0.78	6.6	207	0.39	88	9.7
5	26	89	1830	0.65	5.4	176	0.39	112	9.3
5	27	89	30	0.65	6.6	183	0.40	120	9.2
5	27	89	630	0.66	7.3	187	0.43	90	9.4
5	27	89	1230	0.53	6.9	193	0.42	98	9.5
5	27	89	1830	0.52	6.0	180	0.22	106	9.3
5	28	89	30	0.43	6.9	191	0.20	100	9.2
5	28	89	630	0.27	6.2	205	0.21	112	9.4
5	28	89	1230	0.20	6.0	143	0.30	128	9.4
5	28	89	1830	0.19	5.4	178	0.10	301	9.4
5	29	89	630	0.17	6.0	168	0.20	104	9.5
5	29	89	1230	0.49	4.3	161	0.17	78	9.4
5	29	89	1830	0.26	4.3	129	0.14	76	9.4
5	30	89	30	0.24	5.2	133	0.38	94	9.4
5	30	89	630	0.21	4.5	148	0.31	106	9.5
5	30	89	1230	0.64	4.5	158	0.19	294	9.4
5	30	89	1830	0.44	4.8	152	0.16	337	9.4
5	31	89	30	0.34	5.0	157	0.10	258	9.5
5	31	89	630	0.24	4.7	161	0.11	270	9.7
5	31	89	1230	0.33	5.2	164	0.14	259	9.4
5	31	89	1830	0.56	5.2	166	0.20	295	9.3
6	1	89	30	0.47	5.7	178	0.30	284	9.6
6	1	89	630	0.41	6.6	196	0.30	279	9.8
6	1	89	1230	0.41	6.2	201	0.31	278	9.5
6	1	89	1830	0.39	6.6	202	0.27	282	9.3
6	2	89	30	0.32	7.3	199	0.17	287	9.5
6	2	89	630	0.36	6.9	181	0.21	274	9.8
6	2	89	1230	0.41	6.9	195	0.19	260	9.5
6	2	89	1830	0.39	6.2	202	0.17	265	9.1
6	3	89	30	0.30	7.3	209	0.15	276	9.4
6	3	89	630	0.31	6.9	209	0.20	295	9.8
6	3	89	1230	0.29	6.6	196	0.20	283	9.6
6	3	89	1830	0.38	7.3	201	0.21	289	9.0
6	4	89	30	0.35	4.3	250	0.18	276	9.3
6	4	89	630	0.35	6.6	213	0.18	272	9.8
6	4	89	1230	0.34	6.6	219	0.23	293	9.7
6	4	89	1830	0.39	4.2	250	0.21	283	9.1
6	5	89	30	0.40	4.2	184	0.19	268	9.3
6	5	89	630	0.54	4.5	237	0.21	285	9.8
6	5	89	1230	0.97	4.7	211	0.32	280	9.8
6	5	89	1830	0.72	5.0	206	0.28	281	9.1
6	6	89	30	0.69	5.7	197	0.30	308	9.3
6	6	89	630	0.78	5.2	216	0.33	306	9.7

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 APRIL - JUNE 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
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 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	TP (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
6	6	89	1230	0.64	5.4	182	0.34	296	9.8
6	6	89	1830	1.02	6.2	209	0.36	273	9.3
6	7	89	30	1.29	6.6	203	0.39	275	9.3
6	7	89	630	0.98	6.6	200	0.36	310	9.5
6	7	89	1230	0.91	6.6	204	0.24	301	9.8
6	7	89	1830	0.75	6.9	201	0.20	273	9.4
6	8	89	30	0.65	5.4	207	0.17	240	9.4
6	8	89	630	1.24	5.2	192	0.28	287	9.7
6	8	89	1230	2.21	7.3	200	0.60	297	10.0
6	8	89	1830	2.56	8.8	193	0.64	209	9.5
6	9	89	30	2.40	9.5	194	0.59	187	9.4
6	9	89	630	1.71	8.8	206	0.48	352	9.5
6	9	89	1230	1.45	7.8	202	0.40	203	9.7
6	9	89	1830	1.49	8.8	200	0.42	292	9.5
6	10	89	30	1.16	7.8	204	0.35	281	9.4
6	10	89	630	0.83	6.6	206	0.26	272	9.5
6	10	89	1230	0.83	7.3	198	0.25	279	9.6
6	10	89	1830	0.73	6.9	203	0.20	250	9.4
6	11	89	30	0.58	7.3	201	0.18	269	9.4
6	11	89	630	0.56	6.9	205	0.15	144	9.5
6	11	89	1230	0.56	6.6	203	0.15	15	9.5
6	11	89	1830	0.54	6.6	211	0.13	138	9.4
6	12	89	30	0.43	6.6	213	0.12	111	9.4
6	12	89	630	0.48	5.4	209	0.12	118	9.5
6	12	89	1230	0.49	4.5	224	0.10	109	9.4
6	12	89	1830	0.50	5.2	216	0.12	246	9.4
6	13	89	30	0.47	4.2	233	0.12	129	9.5
6	13	89	630	0.68	4.7	219	0.12	265	9.6
6	13	89	1230	0.67	5.0	225	0.17	271	9.4
6	13	89	1830	0.56	4.7	213	0.20	274	9.3
6	14	89	30	0.68	4.7	215	0.24	282	9.5
6	14	89	630	0.70	5.0	220	0.14	203	9.6
6	14	89	1230	0.67	5.2	212	0.14	254	9.4
6	14	89	1830	1.12	5.7	213	0.24	209	9.3
6	15	89	30	1.32	6.9	218	0.34	267	9.5
6	15	89	630	1.87	6.9	213	0.46	267	9.8
6	15	89	1230	1.97	8.3	201	0.51	269	9.5
6	15	89	1830	1.56	8.8	201	0.43	337	9.3
6	16	89	30	1.25	7.3	212	0.34	305	9.5
6	16	89	630	1.45	5.2	206	0.31	248	9.8
6	16	89	1230	1.91	7.8	203	0.48	3	9.4
6	16	89	1830	1.06	7.8	214	0.34	280	9.2
6	17	89	30	1.07	6.6	203	0.31	298	9.5
6	17	89	630	0.94	6.2	206	0.33	289	9.8
6	17	89	1230	0.77	6.0	198	0.21	260	9.5
6	17	89	1830	0.60	6.6	199	0.20	278	9.2
6	18	89	30	0.47	6.9	197	0.17	289	9.4
6	18	89	630	0.50	5.2	185	0.19	290	9.8
6	18	89	1230	0.49	6.0	180	0.22	270	9.6

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 APRIL - JUNE 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
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 20-JAN-90
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MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
6	18	89	1830	0.46	10.2	192	0.26	271	9.2
6	19	89	30	0.40	8.3	195	0.15	308	9.4
6	19	89	630	0.57	4.2	210	0.17	280	9.8
6	19	89	1230	0.67	4.5	228	0.22	281	9.7
6	19	89	1830	0.56	4.2	235	0.19	285	9.2
6	20	89	30	0.49	4.2	221	0.17	298	9.3
6	20	89	630	0.54	5.2	216	0.18	278	9.7
6	20	89	1230	0.43	4.7	205	0.20	294	9.7
6	20	89	1830	0.68	5.2	228	0.18	290	9.2
6	21	89	30	0.61	5.0	221	0.19	287	9.3
6	21	89	630	0.71	5.0	218	0.19	294	9.7
6	21	89	1230	0.60	4.3	194	0.19	284	9.8
6	21	89	1830	0.41	4.3	204	0.14	279	9.3
6	22	89	30	0.35	4.2	207	0.09	254	9.3
6	22	89	630	0.34	4.2	209	0.13	280	9.6
6	22	89	1230	0.27	4.3	195	0.15	286	9.8
6	22	89	1830	0.24	4.7	219	0.16	153	9.4
6	23	89	30	0.36	4.8	214	0.29	128	9.3
6	23	89	630	0.35	4.7	223	0.14	300	9.6
6	23	89	1230	0.29	4.8	221	0.13	287	9.7
6	23	89	1830	0.24	4.3	152	0.38	231	9.4
6	24	89	30	0.25	5.0	181	0.10	273	9.4
6	24	89	630	0.31	5.2	187	0.17	291	9.5
6	24	89	1230	0.33	4.5	190	0.11	290	9.7
6	24	89	1830	0.32	6.9	207	0.15	106	9.4
6	25	89	30	0.30	6.6	206	0.15	295	9.4
6	25	89	630	0.29	6.0	200	0.10	258	9.5
6	25	89	1230	0.31	7.3	215	0.21	304	9.5
6	25	89	1830	0.30	6.2	163	0.26	275	9.5
6	26	89	30	0.29	6.6	220	0.26	273	9.5
6	26	89	630	0.30	6.0	219	0.17	103	9.5
6	26	89	1230	0.29	6.2	191	0.27	130	9.5
6	26	89	1830	0.27	6.2	224	0.25	110	9.5
6	27	89	30	0.38	6.0	227	0.31	145	9.6
6	27	89	630	0.38	6.2	233	0.30	278	9.6
6	27	89	1230	0.32	6.2	236	0.35	310	9.4
6	27	89	1830	0.35	6.6	207	0.23	100	9.4
6	28	89	30	0.45	6.6	219	0.42	285	9.6

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 15
 JUNE - SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
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 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
6	28	89	1000	0.52	6.6	219	0.10	6	9.5
6	28	89	1600	0.54	5.0	222	0.12	60	9.3
6	28	89	2200	0.53	6.0	252	0.12	324	9.6
6	29	89	400	0.53	6.0	229	0.15	294	9.8
6	29	89	1000	0.51	5.7	218	0.19	288	9.3
6	29	89	1600	0.44	5.4	214	0.10	327	9.2
6	29	89	2200	0.48	6.0	226	0.10	16	9.6
6	30	89	400	0.57	5.4	206	0.14	328	9.8
6	30	89	1000	0.51	5.7	198	0.16	277	9.3
6	30	89	1600	0.50	6.0	211	0.13	41	9.1
6	30	89	2200	0.43	6.0	205	0.09	82	9.5
7	1	89	400	0.48	5.4	219	0.11	328	9.8
7	1	89	1000	0.49	5.4	223	0.11	319	9.3
7	1	89	1600	0.40	6.0	210	0.10	348	9.1
7	1	89	2200	0.38	6.9	197	0.10	114	9.5
7	2	89	400	0.38	4.5	212	0.11	295	9.9
7	2	89	1000	0.62	4.2	249	0.13	322	9.4
7	2	89	1600	0.50	5.4	239	0.08	1	9.1
7	2	89	2200	0.60	5.7	235	0.14	31	9.4
7	3	89	400	0.69	5.2	232	0.13	274	9.9
7	3	89	1000	0.75	5.4	232	0.13	5	9.6
7	3	89	1600	0.69	6.0	232	0.13	338	9.2
7	3	89	2200	0.56	5.7	231	0.11	339	9.3
7	4	89	400	0.59	5.0	229	0.10	11	9.7
7	4	89	1000	0.86	5.0	226	0.24	115	9.7
7	4	89	1600	0.89	6.0	236	0.17	39	9.1
7	4	89	2200	1.13	6.9	232	0.26	79	9.3
7	5	89	400	1.16	6.2	232	0.22	94	9.7
7	5	89	1000	0.99	6.0	233	0.18	110	9.7
7	5	89	1600	0.61	6.0	230	0.14	9	9.2
7	5	89	2200	0.72	5.7	241	0.11	351	9.3
7	6	89	400	0.86	5.0	229	0.12	119	9.6
7	6	89	1000	0.67	5.4	214	0.11	83	9.6
7	6	89	1600	0.55	6.0	230	0.09	48	9.3
7	6	89	2200	0.53	5.4	232	0.16	72	9.4
7	7	89	400	0.46	4.7	232	0.07	266	9.6
7	7	89	1000	0.27	5.7	199	0.22	291	9.6
7	7	89	1600	0.22	4.7	207	0.18	285	9.4
7	7	89	2200	0.30	4.3	192	0.15	290	9.4
7	8	89	400	0.28	5.2	180	0.17	284	9.5
7	8	89	1000	0.25	5.2	179	0.14	311	9.6
7	8	89	1600	0.27	4.7	184	0.20	310	9.4
7	8	89	2200	0.28	6.0	196	0.15	314	9.5
7	9	89	400	0.21	5.4	199	0.19	328	9.5
7	9	89	1000	0.26	7.3	193	0.16	296	9.5
7	9	89	1600	0.30	5.0	186	0.22	305	9.4

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 15
 JUNE - SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
7	9	89	2200	0.32	5.4	187	0.17	327	9.6
7	10	89	400	0.33	5.7	183	0.08	344	9.6
7	10	89	1000	0.46	6.6	200	0.11	324	9.4
7	10	89	1600	0.43	6.6	198	0.09	61	9.5
7	10	89	2200	0.36	6.2	199	0.14	321	9.6
7	11	89	400	0.31	6.2	212	0.12	80	9.6
7	11	89	1000	0.33	6.0	202	0.10	93	9.4
7	11	89	1600	0.41	4.7	221	0.07	108	9.4
7	11	89	2200	0.28	6.0	193	0.14	68	9.6
7	12	89	400	0.22	5.7	188	0.10	40	9.6
7	12	89	1000	0.20	6.6	216	0.08	98	9.3
7	12	89	1600	0.22	6.0	216	0.07	122	9.3
7	12	89	2200	0.29	6.2	216	0.05	313	9.6
7	13	89	400	0.31	7.3	192	0.12	19	9.6
7	13	89	1000	0.27	6.6	199	0.05	67	9.3
7	13	89	1600	0.46	4.3	245	0.10	358	9.2
7	13	89	2200	0.37	4.7	234	0.08	307	9.6
7	14	89	400	0.57	4.7	234	0.15	69	9.7
7	14	89	1000	0.49	5.4	231	0.15	97	9.3
7	14	89	1600	0.69	4.7	242	0.17	271	9.3
7	14	89	2200	1.03	5.7	229	0.21	84	9.6
7	15	89	400	0.86	6.2	233	0.16	82	9.7
7	15	89	1000	0.86	6.2	232	0.12	90	9.3
7	15	89	1600	0.76	4.7	252	0.14	27	9.1
7	15	89	2200	0.46	4.7	245	0.10	287	9.5
7	16	89	400	0.62	4.8	237	0.10	1	9.7
7	16	89	1000	0.82	5.4	229	0.12	4	9.3
7	16	89	1600	0.79	5.4	238	0.19	80	9.1
7	16	89	2200	0.60	5.0	233	0.11	11	9.4
7	17	89	400	0.57	5.7	245	0.11	13	9.8
7	17	89	1000	0.38	5.4	243	0.08	25	9.3
7	17	89	1600	0.24	4.8	240	0.20	87	9.1
7	17	89	2200	0.23	4.7	232	0.09	44	9.1
7	18	89	400	0.21	8.3	188	0.16	218	9.8
7	18	89	1000	0.19	7.8	198	0.08	32	9.5
7	18	89	1600	0.17	7.3	209	0.06	62	9.1
7	18	89	2200	0.24	9.5	201	0.09	84	9.4
7	19	89	400	0.54	4.3	229	0.08	307	9.8
7	19	89	1000	0.39	4.7	232	0.15	305	9.5
7	19	89	1600	0.64	4.7	256	0.12	25	9.2
7	19	89	2200	0.76	5.0	234	0.14	313	9.4
7	20	89	400	0.98	5.7	236	0.18	336	9.7
7	20	89	1000	1.07	6.0	237	0.18	301	9.7
7	20	89	1600	0.87	6.2	231	0.18	10	9.2
7	20	89	2200	0.70	6.0	233	0.13	62	9.4
7	21	89	400	0.85	4.7	202	0.14	308	9.7

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 15
 JUNE - SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
7	21	89	1000	0.73	5.7	223	0.15	339	9.7
7	21	89	1600	0.63	5.7	212	0.26	291	9.4
7	21	89	2200	0.62	5.0	227	0.26	271	9.5
7	22	89	400	0.61	4.8	213	0.33	307	9.6
7	22	89	1000	0.42	5.4	176	0.24	314	9.7
7	22	89	1600	0.34	4.7	201	0.28	293	9.5
7	22	89	2200	0.48	5.2	187	0.27	306	9.6
7	23	89	400	0.55	5.4	164	0.26	287	9.5
7	23	89	1000	0.48	5.2	147	0.17	280	9.6
7	23	89	1600	0.54	5.7	177	0.33	305	9.5
7	23	89	2200	0.78	4.2	167	0.35	290	9.7
7	24	89	400	0.74	5.0	163	0.11	12	9.5
7	24	89	1000	0.74	5.7	169	0.17	20	9.5
7	24	89	1600	0.61	5.4	163	0.16	286	9.5
7	24	89	2200	0.67	6.0	171	0.14	336	9.7
7	25	89	400	0.82	5.7	170	0.38	282	9.6
7	25	89	1000	0.77	6.2	177	0.17	93	9.4
7	25	89	1600	0.89	6.2	177	0.19	18	9.5
7	25	89	2200	0.79	6.6	178	0.16	295	9.8
7	26	89	400	0.53	6.2	172	0.13	55	9.7
7	26	89	1000	0.45	6.2	187	0.10	321	9.3
7	26	89	1600	0.38	6.2	195	0.16	33	9.5
7	26	89	2200	0.38	6.6	207	0.10	31	9.8
7	27	89	400	0.32	5.7	205	0.07	332	9.7
7	27	89	1000	0.26	4.5	166	0.09	329	9.3
7	27	89	1600	0.25	4.8	181	0.16	55	9.3
7	27	89	2200	0.26	5.0	180	0.08	350	9.7
7	28	89	400	0.21	4.5	167	0.05	346	9.7
7	28	89	1000	0.18	6.0	204	0.05	54	9.2
7	28	89	1600	0.16	5.7	211	0.09	63	9.2
7	28	89	2200	0.17	6.6	201	0.12	90	9.6
..
7	29	89	1600	0.19	7.3	204	0.21	95	9.2
7	29	89	2200	0.25	8.3	176	0.18	95	9.5
7	30	89	400	0.25	6.9	211	0.15	46	9.9
7	30	89	1000	0.20	7.8	193	0.10	63	9.4
7	30	89	1600	0.20	8.3	206	0.10	93	9.2
7	30	89	2200	0.49	4.3	210	0.08	32	9.4
7	31	89	400	0.65	7.3	214	0.14	110	9.8
7	31	89	1000	0.83	8.8	214	0.20	45	9.5
7	31	89	1600	1.65	9.5	216	0.45	110	9.2
7	31	89	2200	1.90	9.5	210	0.50	289	9.4
8	1	89	400	1.60	8.8	216	0.40	74	9.8
8	1	89	1000	1.36	8.8	217	0.32	342	9.5
8	1	89	1600	1.24	8.3	215	0.36	117	9.2

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 15
 JUNE - SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
8	1	89	2200	0.90	7.3	224	0.26	97	9.3
8	2	89	400	0.80	6.6	221	0.19	74	9.7
8	2	89	1000	0.70	6.2	223	0.13	30	9.5
8	2	89	1600	0.52	6.0	233	0.44	288	9.3
8	2	89	2200	0.45	6.0	214	0.28	299	9.4
8	3	89	400	0.35	7.3	238	0.13	83	9.6
8	3	89	1000	0.30	6.9	208	0.09	34	9.5
8	3	89	1600	0.48	6.0	214	0.12	37	9.3
8	3	89	2200	0.33	6.2	214	0.11	85	9.4
8	4	89	400	0.26	6.9	202	0.10	81	9.5
8	4	89	1000	0.22	6.0	216	0.12	41	9.5
8	4	89	1600	0.18	6.2	205	0.09	304	9.3
8	4	89	2200	0.22	4.2	252	0.07	213	9.4
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8	5	89	2200	0.22	4.3	222	0.12	63	9.4
..
8	6	89	1600	0.56	4.2	265	0.19	354	9.4
8	6	89	2200	0.29	4.5	238	0.08	50	9.5
8	7	89	400	0.33	4.3	257	0.06	31	9.4
8	7	89	1000	0.20	4.3	237	0.11	24	9.4
8	7	89	1600	0.15	4.7	183	0.15	87	9.4
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8	9	89	2200	0.15	4.2	131	0.14	95	9.7
8	10	89	400	0.35	4.3	139	0.08	111	9.6
8	10	89	1000	0.22	4.2	148	0.14	203	9.3
8	10	89	1600	0.27	4.3	168	0.04	320	9.4
8	10	89	2200	0.24	4.2	132	0.20	84	9.6
8	11	89	400	0.25	4.2	164	0.06	233	9.6
8	11	89	1000	0.31	4.2	155	0.39	291	9.2
8	11	89	1600	0.20	4.2	170	0.16	98	9.3
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8	12	89	1000	0.44	4.2	156	0.21	282	9.3
8	12	89	1600	0.45	4.5	169	0.08	351	9.3
8	12	89	2200	0.24	4.2	161	0.04	344	9.6
8	13	89	400	0.26	4.7	145	0.13	351	9.8

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 15
 JUNE - SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	TP (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
8	13	89	1000	0.43	4.7	161	0.28	293	9.3
8	13	89	1600	0.37	5.7	167	0.23	15	9.3
8	13	89	2200	0.36	4.3	162	0.12	315	9.6
8	14	89	400	0.22	4.8	165	0.20	303	9.8
8	14	89	1000	0.31	4.3	197	0.23	294	9.4
8	14	89	1600	0.17	4.3	173	0.10	307	9.2
8	14	89	2200	0.18	4.8	165	0.08	18	9.5
8	15	89	400	0.21	4.5	170	0.06	320	9.8
8	15	89	1000	0.19	4.5	179	0.09	299	9.4
8	15	89	1600	0.17	4.8	177	0.06	245	9.2
8	15	89	2200	0.25	4.2	233	0.16	82	9.4
8	16	89	400	0.22	4.2	252	0.16	86	9.7
8	16	89	1000	0.19	4.3	202	0.09	139	9.5
8	16	89	1600	0.61	4.2	254	0.16	67	9.2
8	16	89	2200	0.26	4.2	242	0.15	81	9.4
8	17	89	400	0.30	4.3	134	0.05	288	9.7
8	17	89	1000	0.25	4.2	236	0.04	90	9.5
8	17	89	1600	0.41	4.2	233	0.18	77	9.3
8	17	89	2200	0.27	4.2	242	0.04	282	9.4
8	18	89	1000	0.15	4.5	225	0.21	144	9.6
8	18	89	2200	0.29	4.3	358	0.08	123	9.4
8	19	89	1000	0.16	6.6	214	0.13	133	9.6
8	20	89	400	0.19	4.5	168	0.06	354	9.5
8	20	89	1000	0.40	4.2	170	0.18	343	9.5
8	20	89	1600	0.41	5.4	167	0.38	295	9.6
8	20	89	2200	0.56	5.7	183	0.11	24	9.6
8	21	89	400	0.81	6.0	178	0.29	309	9.5
8	21	89	1000	0.74	4.5	160	0.28	314	9.5
8	21	89	1600	0.50	4.7	165	0.10	341	9.6
8	21	89	2200	0.53	4.2	154	0.12	327	9.8
8	22	89	400	0.43	5.0	182	0.07	63	9.5
8	22	89	1000	0.44	4.7	186	0.16	85	9.3
8	22	89	1600	0.38	5.4	209	0.09	28	9.5
8	22	89	2200	0.49	5.2	201	0.09	74	9.7
8	23	89	400	0.44	6.2	219	0.10	70	9.5
8	23	89	1000	0.42	6.2	218	0.09	16	9.2
8	23	89	1600	0.37	6.0	219	0.09	83	9.4
8	23	89	2200	0.34	5.7	211	0.14	62	9.7
8	24	89	400	0.24	4.7	223	0.11	107	9.5
8	24	89	1000	0.22	4.8	212	0.09	322	9.2
8	24	89	1600	0.21	4.8	220	0.11	315	9.3

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 15
 JUNE - SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	TP (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
8	24	89	2200	0.15	5.0	237	0.09	337	9.7
..
8	25	89	1600	0.19	4.5	170	0.05	164	9.3
8	25	89	2200	0.18	5.7	198	0.12	76	9.7
8	26	89	400	0.20	6.0	190	0.11	92	9.8
8	26	89	1000	0.21	5.7	200	0.13	97	9.3
8	26	89	1600	0.37	5.0	216	0.11	58	9.3
8	26	89	2200	0.16	5.0	191	0.14	67	9.6
8	27	89	400	0.18	5.2	210	0.17	114	9.8
8	27	89	1000	0.17	5.4	191	0.13	92	9.4
8	27	89	1600	0.20	4.7	229	0.04	339	9.3
8	28	89	400	0.22	4.2	175	0.22	96	9.8
8	28	89	1000	0.22	4.8	210	0.11	106	9.4
..
8	29	89	400	0.16	6.9	218	0.25	100	9.8
8	29	89	1000	0.17	4.3	186	0.12	101	9.5
..
8	30	89	1000	0.22	4.2	146	0.20	300	9.5
..
8	31	89	400	0.23	4.8	144	0.11	328	9.7
8	31	89	1000	0.24	4.7	193	0.21	316	9.6
8	31	89	2200	0.16	4.8	195	0.12	69	9.5
9	1	89	400	0.20	4.2	206	0.08	20	9.6
9	1	89	1600	0.16	7.8	233	0.16	288	9.5
9	2	89	400	0.20	5.7	210	0.21	326	9.6
9	2	89	1000	0.18	4.2	234	0.09	324	9.6
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..
9	3	89	2200	0.23	4.3	163	0.09	288	9.6
9	4	89	400	0.73	4.5	156	0.10	338	9.5
9	4	89	1000	0.75	5.0	150	0.44	303	9.6
9	4	89	1600	0.63	4.7	162	0.30	319	9.6
9	4	89	2200	0.80	4.8	159	0.20	312	9.7
9	5	89	400	0.81	5.0	163	0.18	294	9.5

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 15
 JUNE - SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 20-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
9	5	89	1000	0.71	5.0	167	0.18	222	9.5
9	5	89	1600	0.42	5.4	170	0.14	55	9.6
9	5	89	2200	0.42	5.7	179	0.14	92	9.7
9	6	89	400	0.54	5.0	175	0.13	78	9.5
9	6	89	1000	0.39	5.0	174	0.09	110	9.4
9	6	89	1600	0.26	5.2	166	0.13	87	9.5
9	6	89	2200	0.24	5.2	180	0.11	75	9.7
9	7	89	400	0.20	5.7	191	0.09	97	9.5
9	7	89	1000	0.21	5.0	191	0.11	97	9.3
9	7	89	1600	0.19	4.8	183	0.14	96	9.5
9	7	89	2200	0.16	4.7	178	0.12	73	9.7
9	8	89	400	0.17	4.2	156	0.09	116	9.5
9	8	89	1000	0.17	4.3	158	0.05	86	9.3
9	8	89	1600	0.17	6.0	195	0.17	103	9.5
9	8	89	2200	0.30	4.7	168	0.18	88	9.7
9	9	89	400	0.22	4.5	159	0.07	56	9.6
9	9	89	1000	0.26	5.0	211	0.11	313	9.3
9	9	89	1600	0.26	5.0	163	0.24	94	9.4
9	9	89	2200	0.33	4.7	159	0.22	83	9.7
9	10	89	400	0.21	4.3	162	0.13	81	9.7
9	10	89	1000	0.20	4.2	198	0.09	64	9.3
9	10	89	1600	0.16	6.9	210	0.28	101	9.4
9	10	89	2200	0.17	4.5	164	0.18	94	9.6
9	11	89	400	0.16	4.5	164	0.12	102	9.7
9	11	89	1000	0.16	4.5	181	0.10	125	9.2
9	11	89	1600	0.18	4.2	169	0.15	82	9.3
9	11	89	2200	0.22	4.5	155	0.10	71	9.6
9	12	89	400	0.20	4.5	167	0.03	65	9.8
9	12	89	1600	0.16	4.8	162	0.11	82	9.4
9	12	89	2200	0.18	4.5	167	0.15	102	9.5
9	13	89	400	0.25	4.7	166	0.16	89	9.7

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 10
 SEPTEMBER 1989
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 PUV Version 3.5
 29-JAN-90
 CEWES-CD-P

MM	DY	YR	HRMN	HmO (M)	TP (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
9	13	89	1330	0.22	4.5	154	0.04	213	9.8
9	13	89	1930	0.22	4.7	172	0.07	267	9.5
9	14	89	130	0.18	4.5	168	0.13	263	9.4
9	14	89	730	0.25	5.0	162	0.11	299	9.5
9	14	89	1330	0.21	4.5	167	0.04	268	9.6
9	14	89	1930	0.20	4.7	174	0.08	186	9.7
9	15	89	130	0.19	4.8	173	0.12	338	9.4
9	15	89	730	0.18	4.8	168	0.06	253	9.5
9	15	89	1930	0.17	5.2	192	0.09	241	9.7
9	16	89	130	0.18	5.4	197	0.18	293	9.5
9	16	89	730	0.31	4.2	182	0.20	286	9.5
9	16	89	1330	0.22	4.2	202	0.15	287	9.4
9	16	89	1930	0.15	4.5	195	0.20	266	9.6
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9	18	89	130	0.24	5.0	164	0.08	291	9.6

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 FEBRUARY - MAY, 1990
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 Process Date:
 29-JUN-90

MM	DY	YR	HRMN (EST)	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
2	21	90	1515	0.77	6.6	183	0.19	317	9.5
2	21	90	2115	0.86	6.2	176	0.19	201	9.8
2	22	90	315	0.79	5.7	174	0.21	300	9.7
2	22	90	915	1.62	6.2	180	0.49	288	9.4
2	22	90	1515	1.28	6.0	186	0.34	99	9.5
2	22	90	2115	1.33	7.3	201	0.38	308	9.7
2	23	90	315	1.42	8.8	195	0.42	322	9.8
2	23	90	915	1.14	6.9	207	0.31	254	9.3
2	23	90	1515	1.47	6.0	215	0.46	111	9.4
2	23	90	2115	1.29	7.3	229	0.42	111	9.5
2	24	90	315	1.08	6.6	239	0.41	112	9.5
2	24	90	915	0.53	8.3	220	0.34	116	9.1
2	24	90	1515	0.78	7.8	227	0.41	115	9.2
2	24	90	2115	1.11	5.0	247	0.52	112	9.3
2	25	90	315	0.64	6.0	239	0.31	105	9.5
2	25	90	915	0.22	5.7	244	0.29	104	9.1
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2	26	90	1515	0.50	4.2	149	0.25	295	9.5
2	26	90	2115	0.35	4.2	157	0.09	39	9.4
2	27	90	315	0.37	6.9	171	0.12	310	9.6
2	27	90	915	0.76	5.2	167	0.21	322	9.5
2	27	90	1515	0.83	6.0	172	0.28	232	9.6
2	27	90	2115	0.54	5.0	174	0.14	279	9.5
2	28	90	315	0.53	6.6	186	0.15	5	9.5
2	28	90	915	0.53	6.6	190	0.15	340	9.6
2	28	90	1515	0.43	6.2	195	0.12	309	9.7
2	28	90	2115	0.56	6.0	191	0.24	292	9.5
3	1	90	315	0.62	6.0	181	0.18	304	9.5
3	1	90	915	0.54	6.9	195	0.16	306	9.6
3	1	90	1515	0.43	8.8	198	0.13	304	9.9
3	1	90	2115	0.39	6.2	200	0.23	295	9.7
3	2	90	315	0.43	6.2	212	0.20	262	9.4
3	2	90	915	0.46	4.3	182	0.12	314	9.5
3	2	90	1515	0.75	4.3	181	0.32	277	9.9
3	2	90	2115	1.15	6.6	201	0.28	242	9.8
3	3	90	315	0.94	7.3	197	0.28	285	9.4
3	3	90	915	0.70	6.2	195	0.23	121	9.4
3	3	90	1515	0.44	6.2	204	0.20	101	9.8
3	3	90	2115	0.51	6.6	208	0.15	73	9.8
3	4	90	315	0.41	6.6	222	0.18	90	9.3
3	4	90	915	0.27	7.3	213	0.24	111	9.2
3	4	90	1515	0.17	6.9	211	0.19	101	9.6
3	4	90	2115	0.19	6.6	209	0.12	125	9.8
3	5	90	315	0.20	6.2	214	0.08	122	9.4
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USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
635-9 GAGE 03
FEBRUARY - MAY, 1990
(OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
Process Date:
29-JUN-90

MM	DY	YR	HRMN (EST)	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
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3	6	90	1515	0.30	4.2	172	0.12	112	9.5
3	6	90	2115	0.17	4.2	164	0.11	320	9.9
3	7	90	315	0.27	4.5	170	0.17	320	9.7
3	7	90	915	0.24	4.7	177	0.09	72	9.3
3	7	90	1515	0.58	4.3	164	0.11	257	9.5
3	7	90	2115	0.56	6.0	188	0.23	284	9.9
3	8	90	315	0.47	5.7	184	0.14	246	9.8
3	8	90	915	0.99	6.2	187	0.34	285	9.4
3	8	90	1515	1.14	6.0	176	0.29	152	9.6
3	8	90	2115	0.76	6.2	182	0.20	304	9.8
3	9	90	315	0.56	6.2	191	0.17	270	9.9
3	9	90	915	0.69	6.9	197	0.25	282	9.6
3	9	90	1515	0.97	6.0	187	0.28	279	9.7
3	9	90	2115	1.00	8.3	198	0.36	270	9.8
3	10	90	315	0.91	6.9	187	0.29	273	9.9
3	10	90	915	0.67	6.0	187	0.26	263	9.6
3	10	90	1515	0.59	8.3	193	0.18	237	9.7
3	10	90	2115	0.49	6.9	197	0.19	242	9.7
3	11	90	315	0.48	7.8	199	0.21	280	9.8
3	11	90	915	0.51	7.8	202	0.17	207	9.7
3	11	90	1515	0.43	8.3	194	0.15	231	9.7
3	11	90	2115	0.46	7.3	195	0.19	275	9.7
3	12	90	315	0.52	7.3	194	0.18	258	9.8
3	12	90	915	0.50	7.8	194	0.19	225	9.7
3	12	90	1515	0.63	7.8	197	0.19	167	9.8
3	12	90	2115	0.50	7.3	202	0.35	277	9.6
3	13	90	315	0.64	7.3	200	0.23	237	9.6
3	13	90	915	0.71	7.8	195	0.25	256	9.6
3	13	90	1515	0.55	6.2	192	0.18	257	9.7
3	13	90	2115	0.49	6.6	202	0.18	222	9.5
3	14	90	315	0.49	7.8	200	0.16	114	9.5
3	14	90	915	0.64	6.6	207	0.18	204	9.5
3	14	90	1515	0.57	6.9	201	0.30	289	9.8
3	14	90	2115	0.61	4.7	182	0.33	279	9.7
3	15	90	315	1.19	5.0	178	0.30	269	9.6
3	15	90	915	1.02	6.2	189	0.25	202	9.6
3	15	90	1515	1.17	5.2	183	0.31	286	9.9
3	15	90	2115	1.42	6.9	196	0.43	280	9.6
3	16	90	315	1.59	5.7	191	0.40	311	9.6
3	16	90	915	1.83	6.0	198	0.44	326	9.7
3	16	90	1515	1.64	6.9	201	0.42	298	10.0
3	16	90	2115	1.92	7.3	198	0.51	262	9.6
3	17	90	315	1.54	6.2	197	0.45	308	9.4
3	17	90	915	0.82	7.3	197	0.25	121	9.5
3	17	90	1515	0.53	8.3	202	0.22	144	9.7
3	17	90	2115	0.48	7.8	197	0.19	100	9.6
3	18	90	315	0.78	5.2	256	0.29	112	9.3
3	18	90	915	0.34	8.3	196	0.18	108	9.3

USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 FEBRUARY - MAY, 1990
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 Process Date:
 29-JUN-90

MM	DY	YR	HRMN (EST)	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
3	18	90	1515	0.26	8.3	206	0.20	102	9.6
3	18	90	2115	0.23	4.3	244	0.18	121	9.6
3	19	90	315	0.16	6.6	207	0.25	111	9.3
..
3	19	90	1515	0.16	10.2	196	0.14	110	9.5
3	19	90	2115	0.23	10.2	202	0.09	120	9.6
3	20	90	315	0.31	4.2	257	0.15	79	9.2
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3	22	90	2115	0.35	4.3	187	0.22	291	9.7
3	23	90	315	0.39	5.0	160	0.23	289	9.6
3	23	90	915	0.35	6.0	177	0.11	242	9.4
3	23	90	1515	0.31	6.0	195	0.12	110	9.5
3	23	90	2115	0.24	5.4	185	0.09	151	9.7
3	24	90	315	0.22	7.3	200	0.12	105	9.7
3	24	90	915	0.21	6.0	206	0.10	113	9.4
3	24	90	1515	0.24	6.2	210	0.15	113	9.5
3	24	90	2115	0.28	5.7	210	0.14	102	9.6
3	25	90	315	0.24	5.7	196	0.10	104	9.8
3	25	90	915	0.35	7.3	203	0.11	95	9.6
3	25	90	1515	0.31	5.2	199	0.13	115	9.6
3	25	90	2115	0.30	7.3	200	0.11	97	9.5
3	26	90	315	0.29	6.0	201	0.11	338	9.6
3	26	90	915	0.25	7.3	199	0.08	5	9.5
3	26	90	1515	0.22	6.2	203	0.08	265	9.6
3	26	90	2115	0.25	6.2	203	0.09	209	9.4
3	27	90	315	0.18	7.3	192	0.07	103	9.5
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3	28	90	915	0.34	4.5	156	0.13	114	9.5
3	28	90	1515	0.53	4.5	164	0.17	249	9.7
3	28	90	2115	0.46	5.2	164	0.31	287	9.3
3	29	90	315	0.30	4.3	175	0.08	284	9.3
3	29	90	915	0.25	4.2	178	0.08	76	9.5
3	29	90	1515	0.28	5.0	181	0.09	189	9.8
3	29	90	2115	0.29	4.2	189	0.19	279	9.4
3	30	90	315	0.28	4.2	184	0.08	206	9.2
3	30	90	915	0.42	4.8	185	0.30	199	9.5
3	30	90	1515	0.40	5.4	191	0.21	282	9.9
3	30	90	2115	0.49	5.2	177	0.15	358	9.6

USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 FEBRUARY - MAY, 1990
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 Process Date:
 29-JUN-90

MM	DY	YR	HRMN (EST)	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
3	31	90	315	0.50	6.2	189	0.18	53	9.3
3	31	90	915	0.65	5.0	171	0.21	49	9.5
3	31	90	1515	0.52	5.0	169	0.17	103	9.9
3	31	90	2115	0.26	6.9	199	0.21	257	9.9
4	1	90	315	0.30	6.9	199	0.15	308	9.4
4	1	90	915	0.28	6.0	193	0.18	263	9.4
4	1	90	1515	0.37	6.2	197	0.15	321	9.8
4	1	90	2115	0.25	6.2	195	0.25	276	9.8
4	2	90	315	0.25	6.2	190	0.10	11	9.3
4	2	90	915	0.21	5.7	196	0.09	86	9.2
4	2	90	1515	0.21	8.3	196	0.08	316	9.6
4	2	90	2115	0.19	6.2	198	0.14	98	9.7
4	3	90	315	0.17	4.8	205	0.12	119	9.3
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4	5	90	315	0.40	4.5	262	0.28	110	9.4
4	5	90	915	0.39	4.7	248	0.25	117	9.2
4	5	90	1515	0.36	6.0	242	0.20	118	9.3
4	5	90	2115	0.38	5.4	248	0.26	117	9.5
4	6	90	315	0.44	4.3	249	0.25	112	9.5
4	6	90	915	0.55	4.5	237	0.20	125	9.3
4	6	90	1515	0.56	5.0	224	0.13	105	9.5
4	6	90	2115	0.63	4.7	213	0.12	55	9.5
4	7	90	315	0.73	5.2	214	0.19	321	9.6
4	7	90	915	0.31	6.0	206	0.15	68	9.4
4	7	90	1515	0.21	6.9	182	0.24	103	9.5
4	7	90	2115	0.17	6.9	191	0.23	100	9.4
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4	8	90	1515	0.21	6.2	205	0.17	109	9.6
4	8	90	2115	0.22	6.2	204	0.10	111	9.4
..
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4	9	90	1515	0.85	4.7	154	0.28	257	9.6
4	9	90	2115	0.76	5.0	177	0.17	80	9.4
4	10	90	315	0.43	5.2	172	0.17	102	9.5
4	10	90	915	0.40	5.0	178	0.14	92	9.6
4	10	90	1515	0.57	4.2	171	0.12	293	9.7
4	10	90	2115	0.80	6.6	187	0.24	296	9.4
4	11	90	315	0.56	6.9	188	0.18	330	9.6
4	11	90	915	0.28	6.6	187	0.12	48	9.8
4	11	90	1515	0.19	6.9	185	0.16	84	9.8
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USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 FEBRUARY - MAY, 1990
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 Process Date:
 29-JUN-90

MM	DY	YR	HRMN (EST)	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
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..
4	13	90	1515	0.25	4.3	158	0.15	136	9.8
4	13	90	2115	0.39	4.3	159	0.25	102	9.4
4	14	90	315	0.34	4.8	172	0.12	16	9.5
4	14	90	915	0.35	4.5	171	0.11	80	9.5
4	14	90	1515	0.29	4.2	169	0.08	126	9.9
4	14	90	2115	0.50	4.8	163	0.17	288	9.7
4	15	90	315	0.63	4.8	173	0.18	283	9.3
4	15	90	915	0.45	4.7	175	0.12	59	9.5
4	15	90	1515	0.41	5.4	189	0.15	108	9.9
4	15	90	2115	0.26	5.0	196	0.16	91	9.9
4	16	90	315	0.22	6.2	208	0.12	90	9.4
4	16	90	915	0.16	4.7	195	0.18	113	9.5
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4	19	90	915	0.57	4.3	149	0.28	292	9.6
4	19	90	1515	0.57	4.8	166	0.14	317	9.8
4	19	90	2115	0.42	4.5	153	0.21	297	10.0
4	20	90	315	0.22	5.4	163	0.11	285	9.8
4	20	90	915	0.46	4.7	168	0.12	29	9.5
4	20	90	1515	0.73	5.4	171	0.18	176	9.7
4	20	90	2115	0.67	6.0	180	0.18	10	9.7
4	21	90	315	0.56	6.9	185	0.18	323	9.7
4	21	90	915	0.50	6.9	195	0.18	2	9.8
4	21	90	1515	0.49	6.9	200	0.19	237	9.9
4	21	90	2115	0.48	6.6	198	0.22	287	10.0
4	22	90	315	0.45	6.6	190	0.18	299	9.9
4	22	90	915	0.35	6.2	196	0.14	325	9.8
4	22	90	1515	0.34	7.8	200	0.13	71	9.8
4	22	90	2115	0.26	7.3	205	0.11	299	9.7
4	23	90	315	0.21	5.4	202	0.12	287	9.8
4	23	90	915	0.18	7.3	202	0.10	312	9.7
4	23	90	1515	0.15	7.3	208	0.08	317	9.8
4	23	90	2115	0.18	7.8	197	0.18	189	9.7
4	24	90	315	0.18	5.7	196	0.06	308	9.5
4	24	90	915	0.19	7.3	206	0.07	52	9.6
4	24	90	1515	0.19	5.4	213	0.11	278	9.7
4	24	90	2115	0.16	8.3	208	0.11	293	9.3

USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 FEBRUARY - MAY, 1990
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 Process Date:
 29-JUN-90

MM	DY	YR	HRMN (EST)	HmO (M)	TP (SEC)	Dp (DEG)	AVE. CUR (M/SEC)	C. DIR. (DEG)	DEPTH (M)
4	25	90	315	0.37	4.7	174	0.12	321	9.5
4	25	90	915	0.32	4.5	194	0.13	320	9.7
4	25	90	1515	0.51	4.3	175	0.16	293	10.1
4	25	90	2115	0.67	6.0	187	0.26	295	9.5
4	26	90	315	0.62	6.2	189	0.19	44	9.3
4	26	90	915	0.42	5.7	181	0.14	308	9.6
4	26	90	1515	0.55	5.4	194	0.29	294	10.0
4	26	90	2115	0.63	6.6	201	0.26	291	9.7
4	27	90	315	0.73	6.6	192	0.26	87	9.7
4	27	90	915	0.68	6.6	190	0.24	273	9.8
4	27	90	1515	0.90	8.3	196	0.28	298	10.2
4	27	90	2115	1.06	5.7	178	0.44	283	10.0
4	28	90	315	1.32	7.3	195	0.48	309	9.5
4	28	90	915	1.08	8.8	199	0.37	306	9.6
4	28	90	1515	0.81	6.2	204	0.26	43	10.0
4	28	90	2115	0.93	4.8	245	0.30	329	9.6
4	29	90	315	0.77	6.9	195	0.24	46	9.2
4	29	90	915	0.58	7.3	194	0.23	91	9.5
4	29	90	1515	0.47	6.9	194	0.21	232	10.1
4	29	90	2115	0.45	4.7	218	0.21	291	10.0
4	30	90	315	0.39	6.0	211	0.18	282	9.7
4	30	90	915	0.35	5.4	222	0.14	334	9.7
4	30	90	1515	0.30	6.2	208	0.15	326	9.8
4	30	90	2115	0.35	5.7	235	0.15	306	9.9
5	1	90	315	0.27	5.7	241	0.15	304	9.7
5	1	90	915	0.20	6.0	227	0.08	23	9.8
5	1	90	1515	0.28	4.8	231	0.07	13	9.9
5	1	90	2115	0.22	4.8	226	0.07	303	9.9
5	2	90	315	0.20	4.8	212	0.07	61	9.4
5	2	90	915	0.21	5.2	223	0.06	69	9.4
5	2	90	1515	0.27	5.4	217	0.15	134	9.7
5	2	90	2115	0.29	5.4	207	0.08	333	9.7
5	3	90	315	0.28	6.0	212	0.10	281	9.5
5	3	90	915	0.31	6.9	207	0.10	148	9.5
5	3	90	1515	0.37	6.6	211	0.10	188	9.6
5	3	90	2115	0.40	5.4	205	0.15	293	9.6
5	4	90	315	0.62	6.6	208	0.15	340	9.8
5	4	90	915	0.74	6.6	208	0.31	291	9.8
5	4	90	1515	0.76	6.9	197	0.33	284	9.9
5	4	90	2115	0.67	7.3	205	0.24	309	9.9
5	5	90	315	0.54	7.8	198	0.21	84	9.6
5	5	90	915	0.68	7.8	200	0.24	289	9.8
5	5	90	1515	0.53	8.3	201	0.19	326	9.9
5	5	90	2115	0.52	4.7	227	0.20	104	9.5
5	6	90	315	0.44	4.8	223	0.15	96	9.5
5	6	90	915	0.31	7.8	202	0.20	96	9.6
5	6	90	1515	0.22	6.6	198	0.08	31	9.7
5	6	90	2115	0.17	6.6	202	0.09	106	9.8
5	7	90	315	0.16	7.3	204	0.15	95	9.6
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USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
 635-9 GAGE 03
 FEBRUARY - MAY, 1990
 (OFF OKALOOSA PIER, FT. WALTON BEACH)

ANALYSIS SUMMARY
 Process Date:
 29-JUN-90

MM	DY	YR	HRMN (EST)	HmO (M)	Tp (SEC)	Dp (DEG)	AVE.CUR (M/SEC)	C.DIR. (DEG)	DEPTH (M)
..
..
..
5	8	90	1515	0.74	5.7	164	0.19	197	9.9
5	8	90	2115	0.88	6.0	180	0.30	311	9.6
5	9	90	315	0.75	5.2	173	0.26	315	9.6
5	9	90	915	0.70	4.7	171	0.28	104	9.8
5	9	90	1515	1.04	6.2	175	0.38	292	10.0
5	9	90	2115	1.52	7.3	191	0.50	297	9.6
5	10	90	315	1.12	7.3	190	0.32	29	9.5
5	10	90	915	0.86	6.6	203	0.26	57	9.8
5	10	90	1515	0.71	7.8	200	0.25	103	10.0
5	10	90	2115	0.54	6.6	210	0.22	91	9.5
5	11	90	315	0.43	6.2	202	0.22	92	9.4
5	11	90	915	0.20	5.7	201	0.20	110	9.6
5	11	90	1515	0.18	6.2	195	0.21	129	9.8
5	11	90	2115	0.21	6.0	195	0.14	101	9.4
5	12	90	315	0.35	4.7	162	0.23	114	9.3
5	12	90	915	0.27	4.2	176	0.15	99	9.6
5	12	90	1515	0.64	4.3	165	0.22	121	9.9
5	12	90	2115	0.75	5.4	175	0.23	114	9.6
5	13	90	315	0.85	5.7	182	0.20	124	9.6
5	13	90	915	0.52	5.7	176	0.17	108	9.6
5	13	90	1515	0.35	6.0	182	0.20	102	9.9
5	13	90	2115	1.03	5.0	232	0.43	100	9.6
5	14	90	315	0.39	5.2	221	0.22	68	9.4
5	14	90	915	0.26	6.2	204	0.17	99	9.6
5	14	90	1515	0.23	6.2	197	0.09	90	10.0
5	14	90	2115	0.26	6.0	213	0.10	12	9.8
5	15	90	315	0.23	5.7	204	0.10	1	9.4
5	15	90	915	0.24	5.7	211	0.14	92	9.5

Appendix D

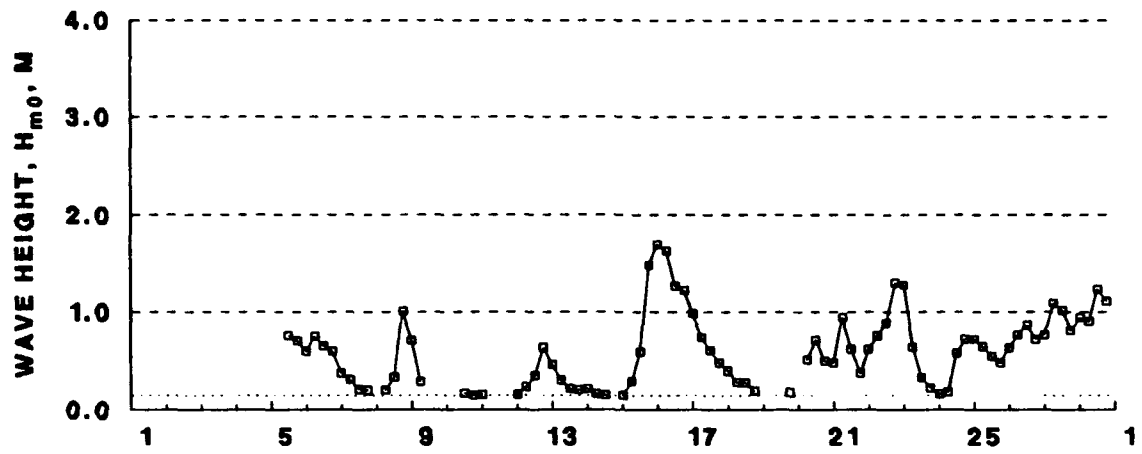
Plots of Wave Data,

1987 -1990

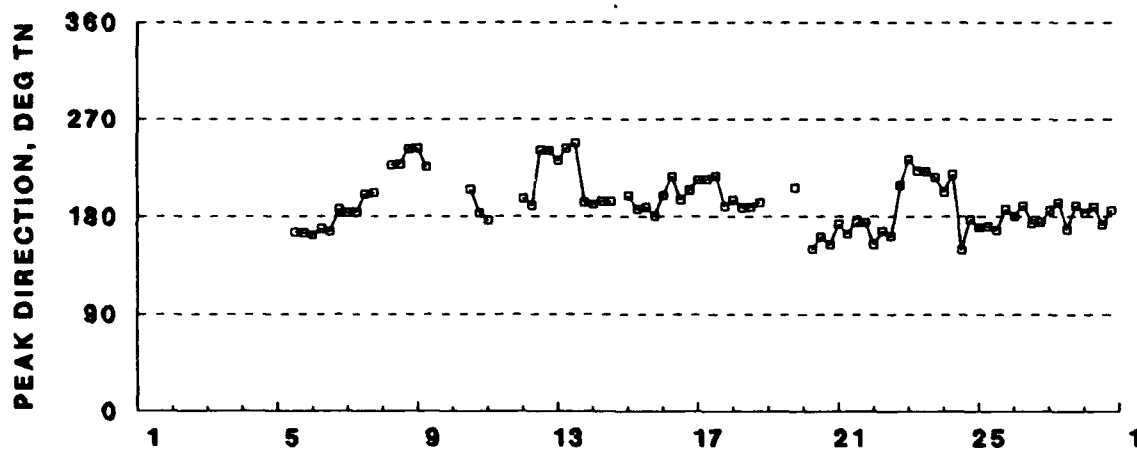
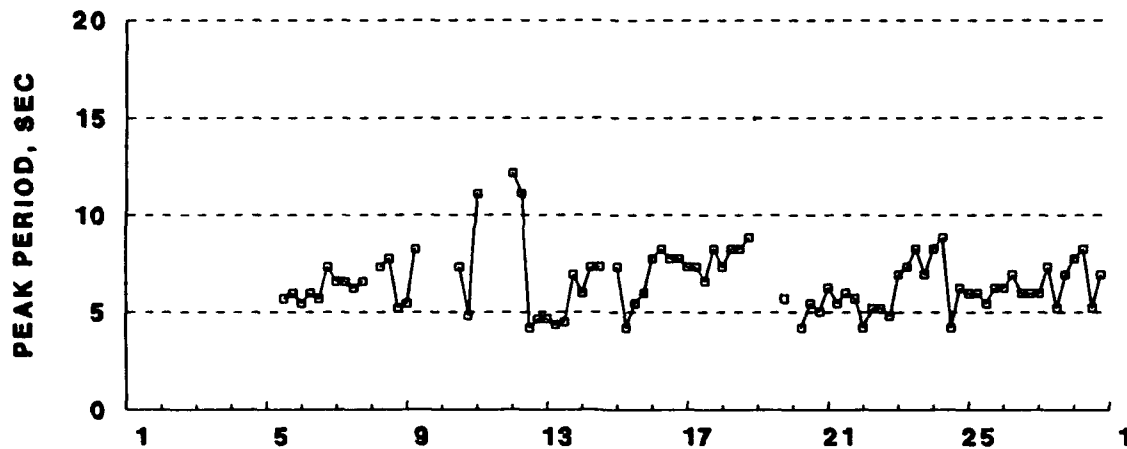
East Pass, Florida

(Data collected near Okaloosa County Pier, Fort Walton Beach, Florida)

EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W

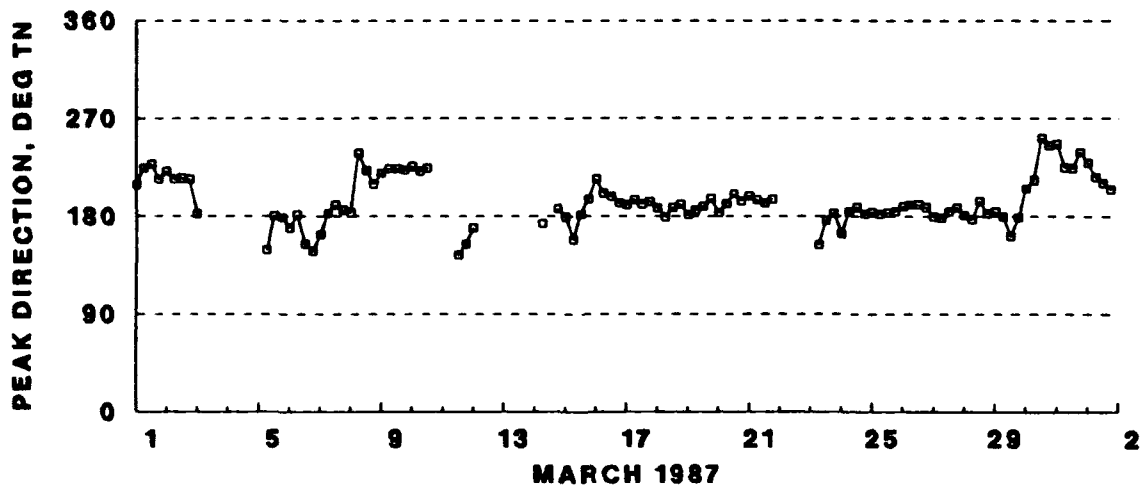
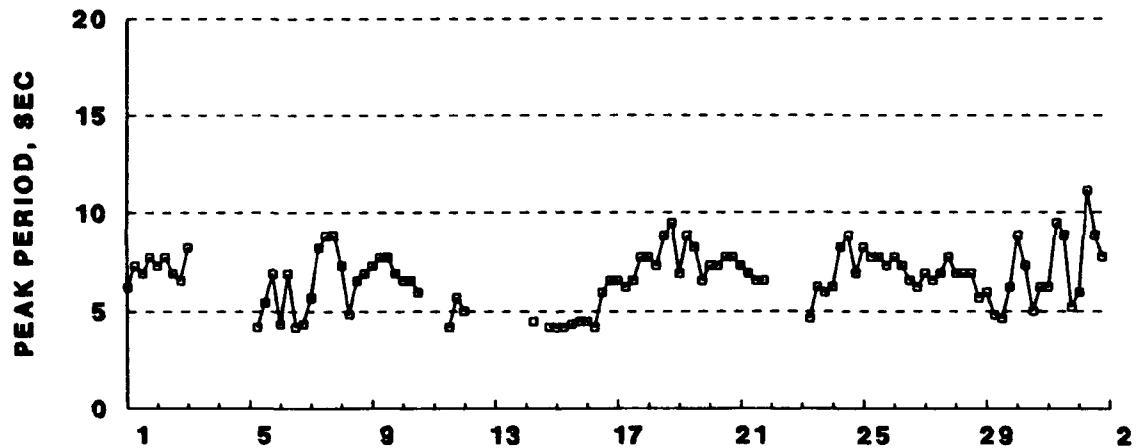
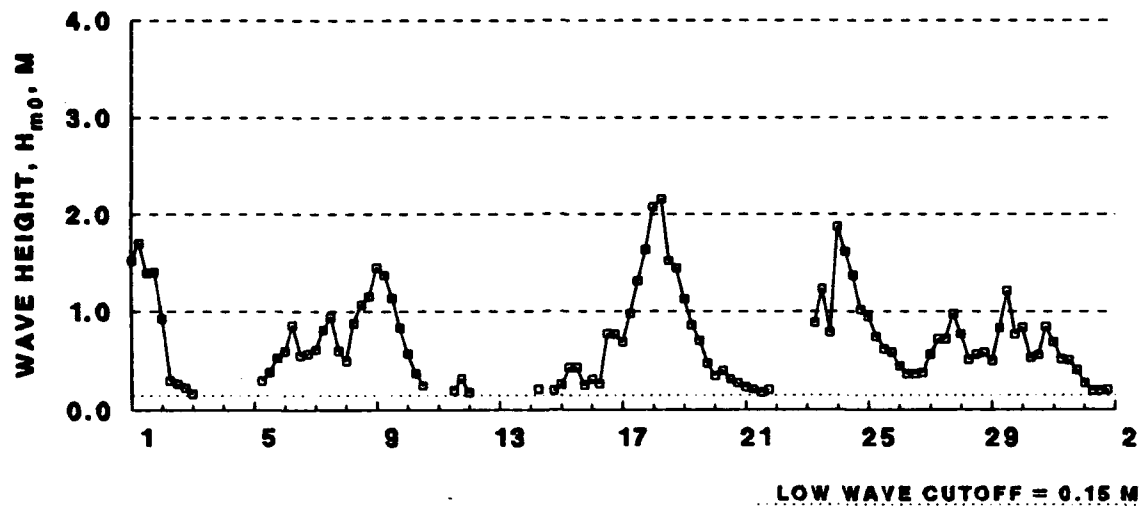


LOW WAVE CUTOFF = 0.15 M

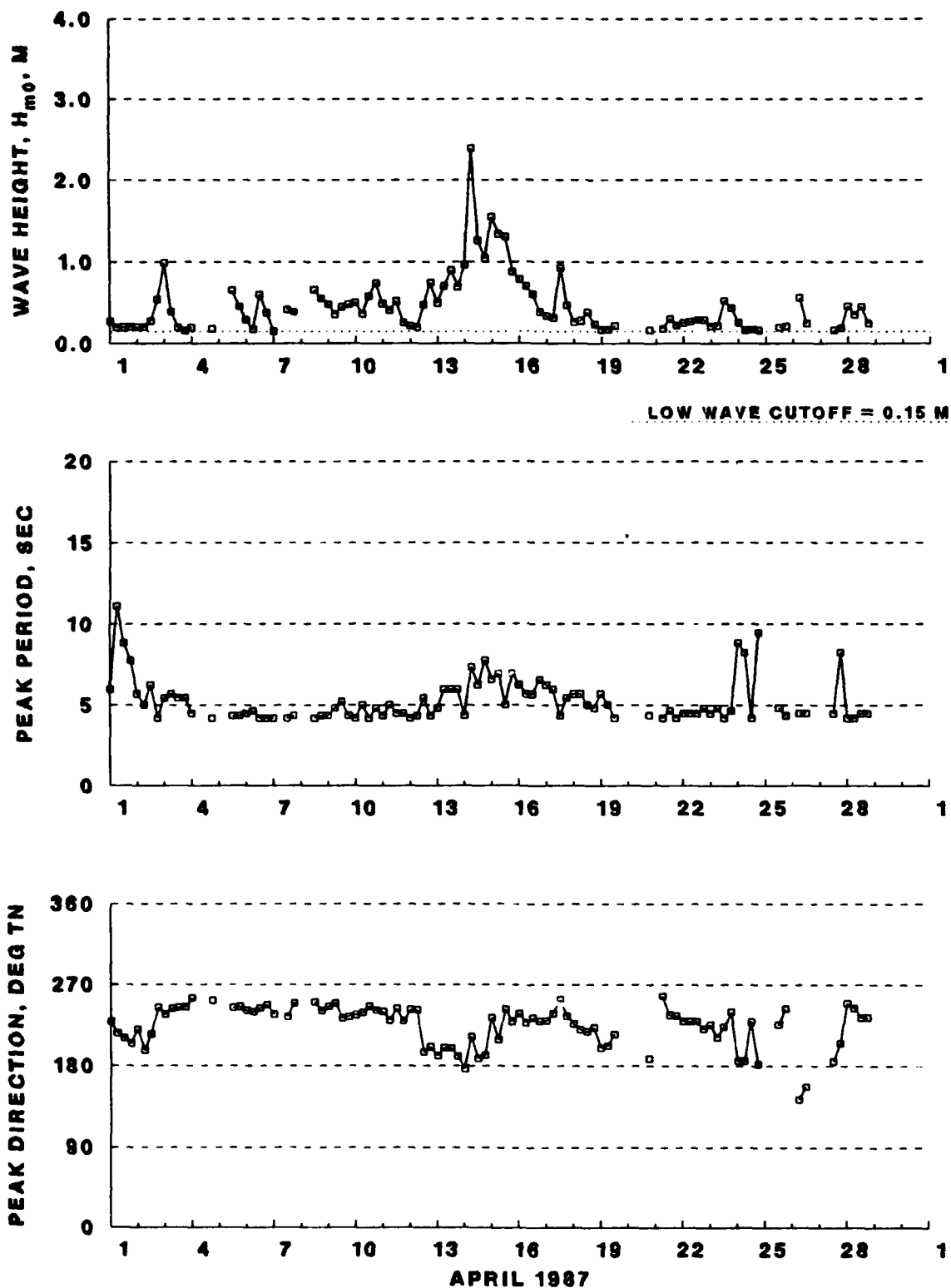


FEBRUARY 1987

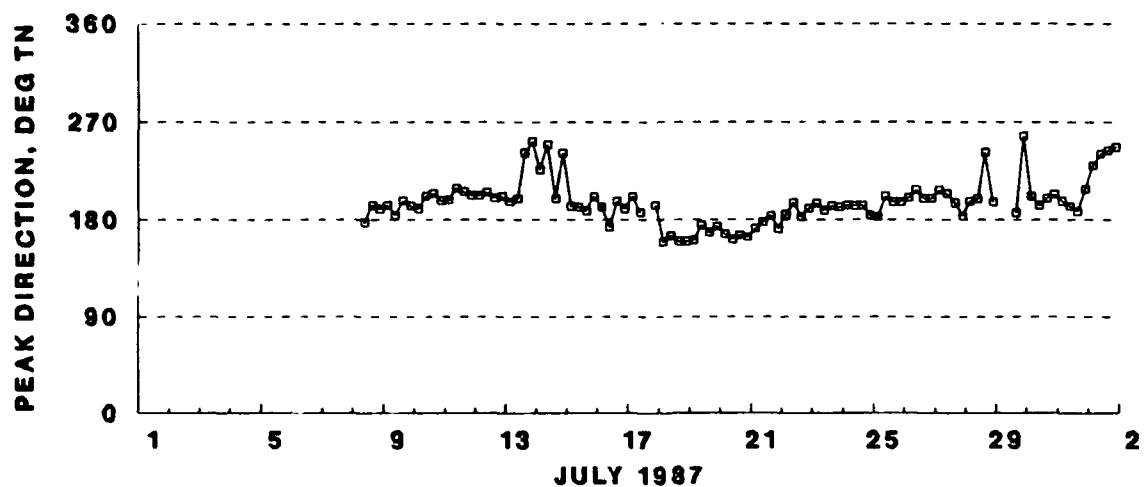
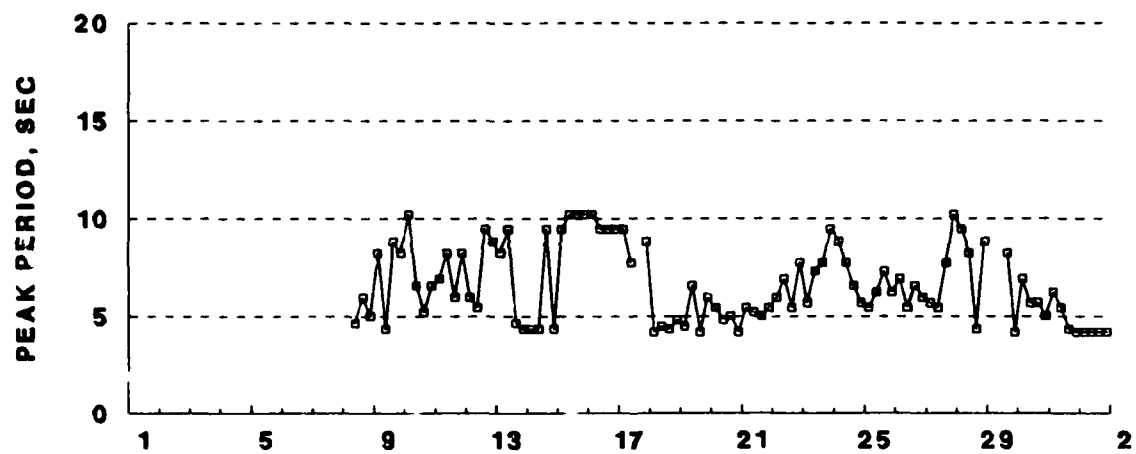
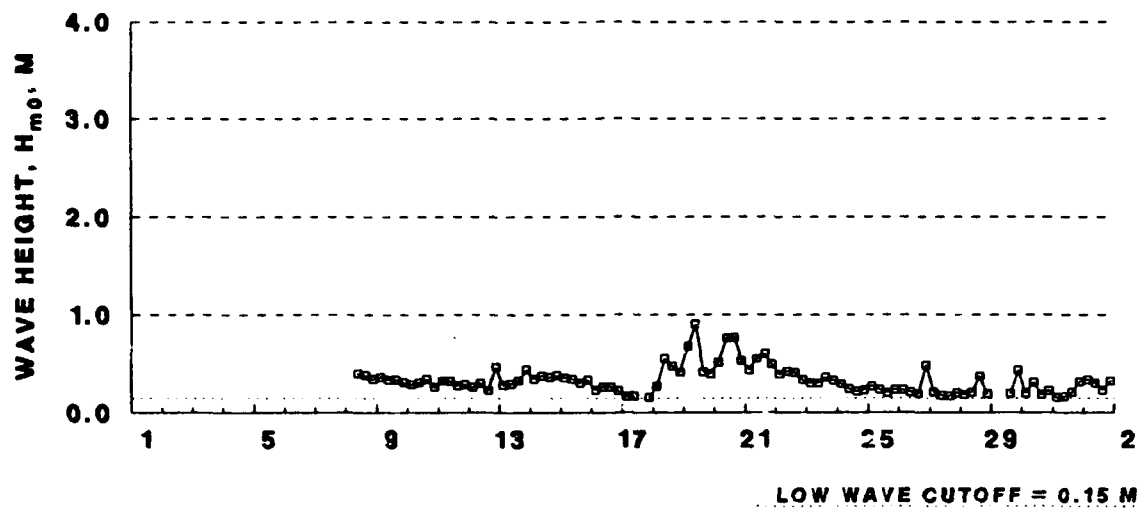
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W

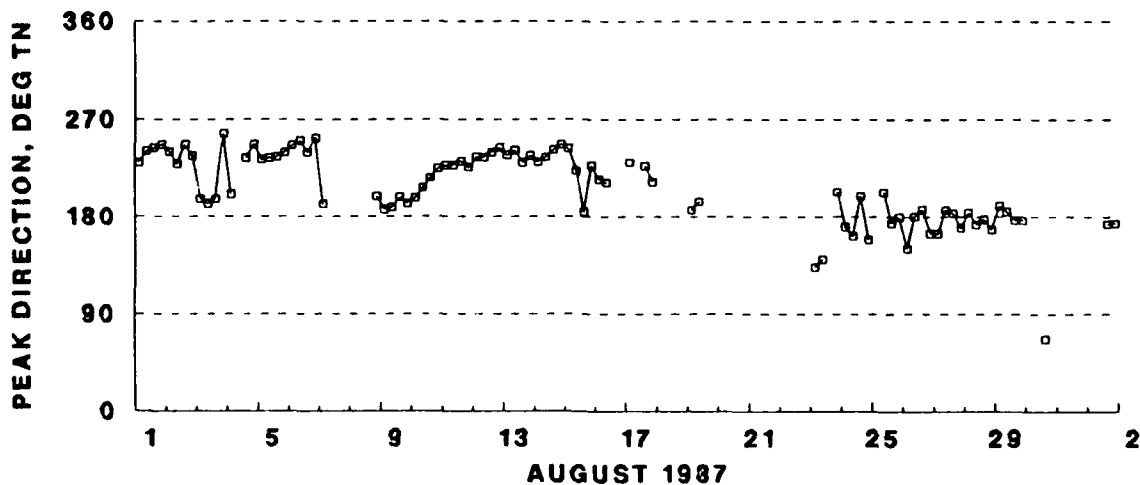
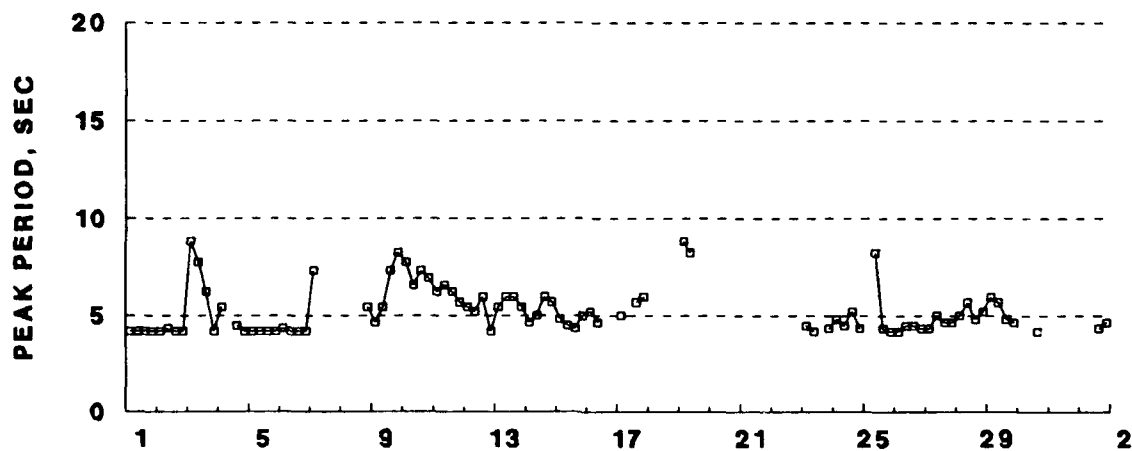
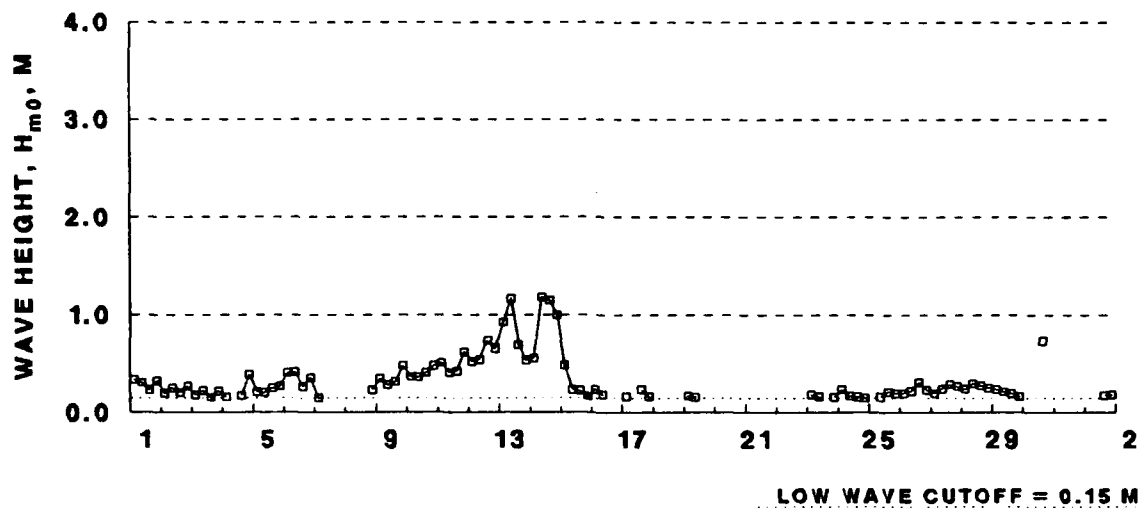


EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W

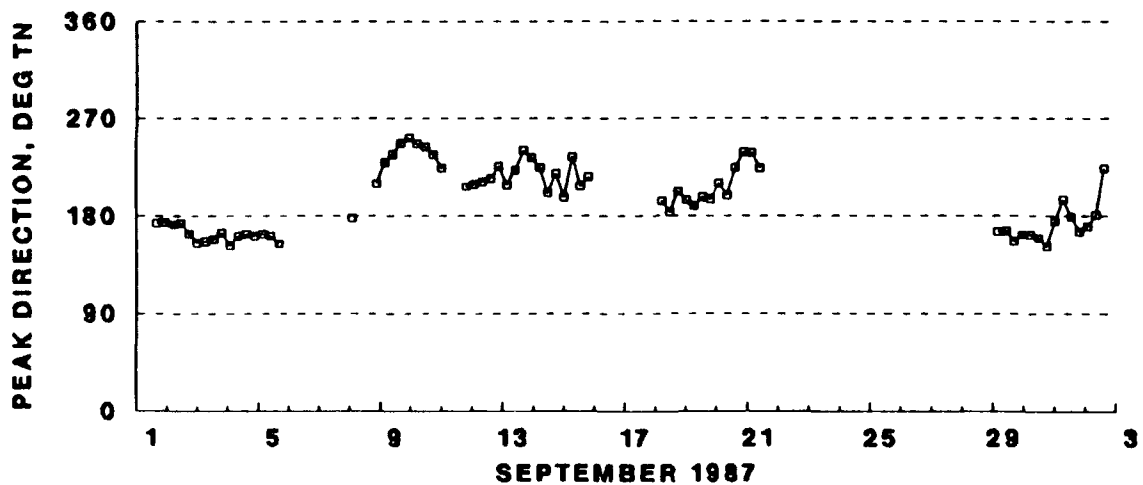
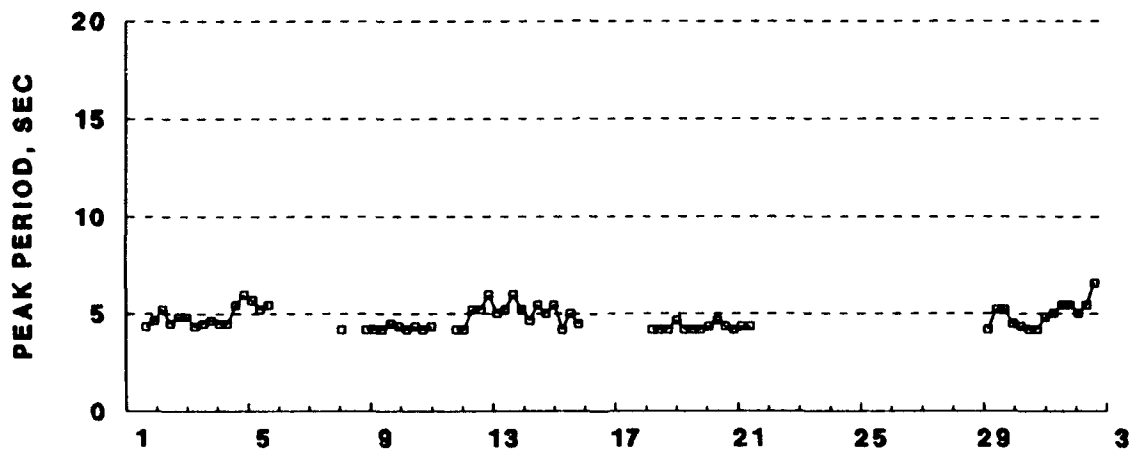
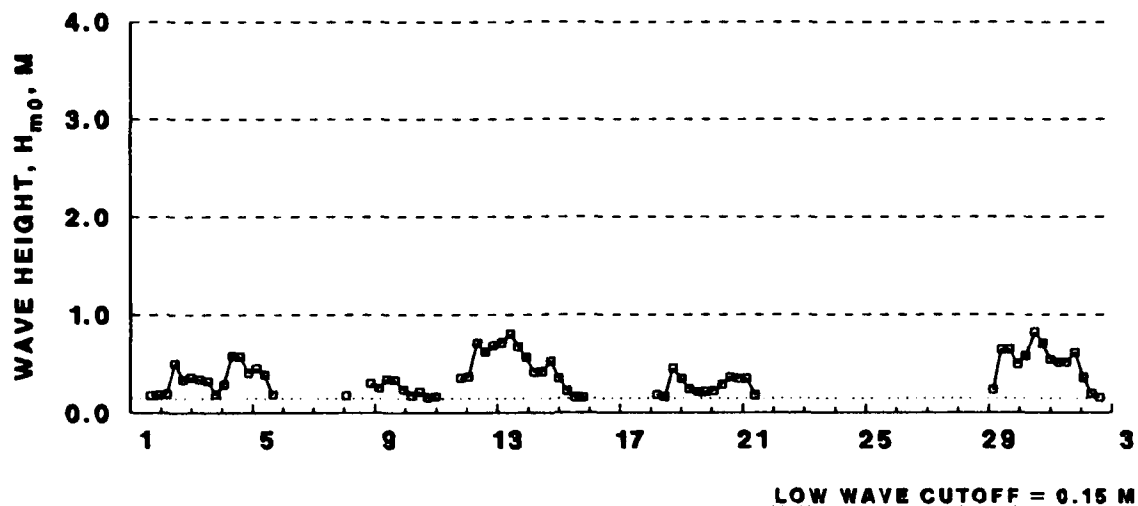


JULY 1987

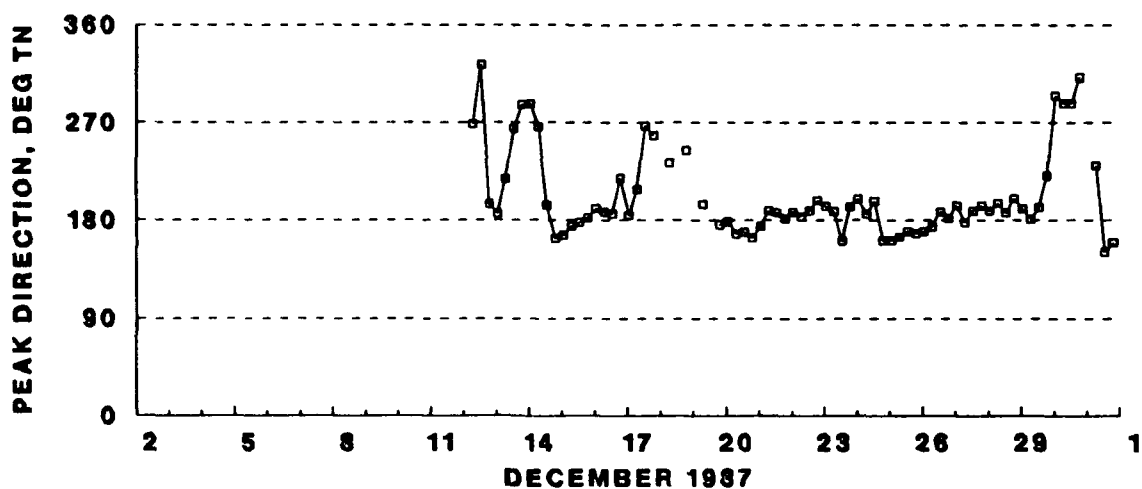
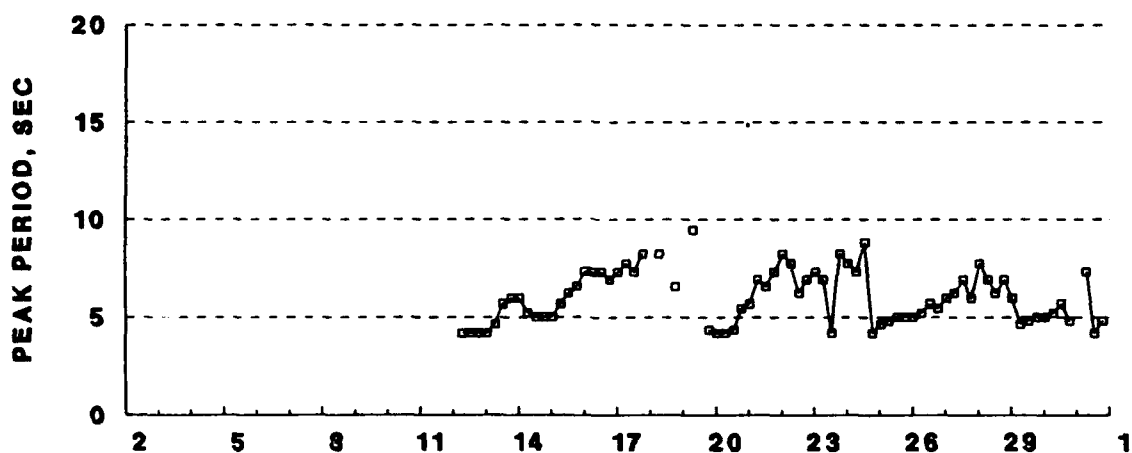
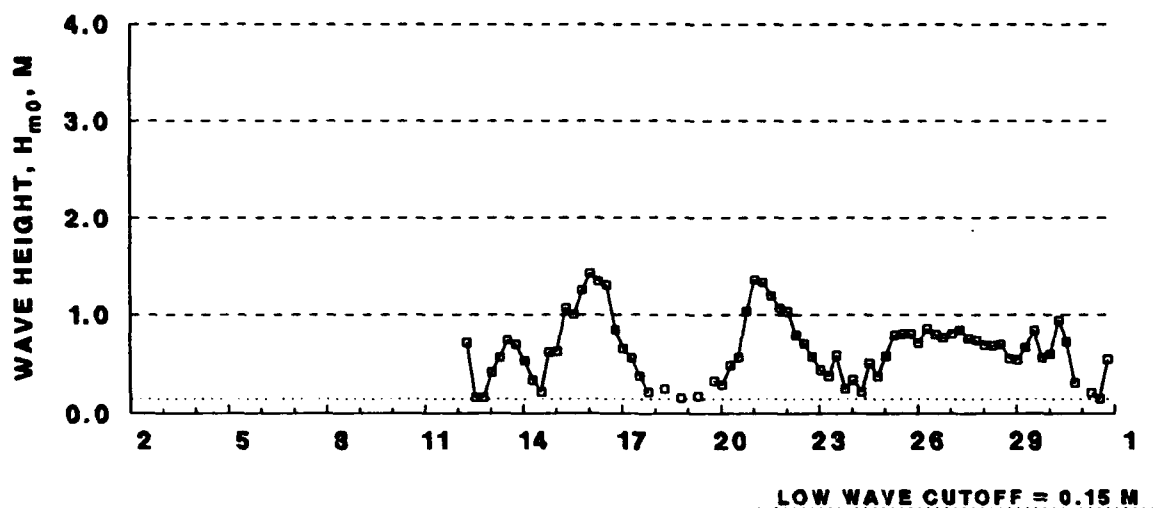
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



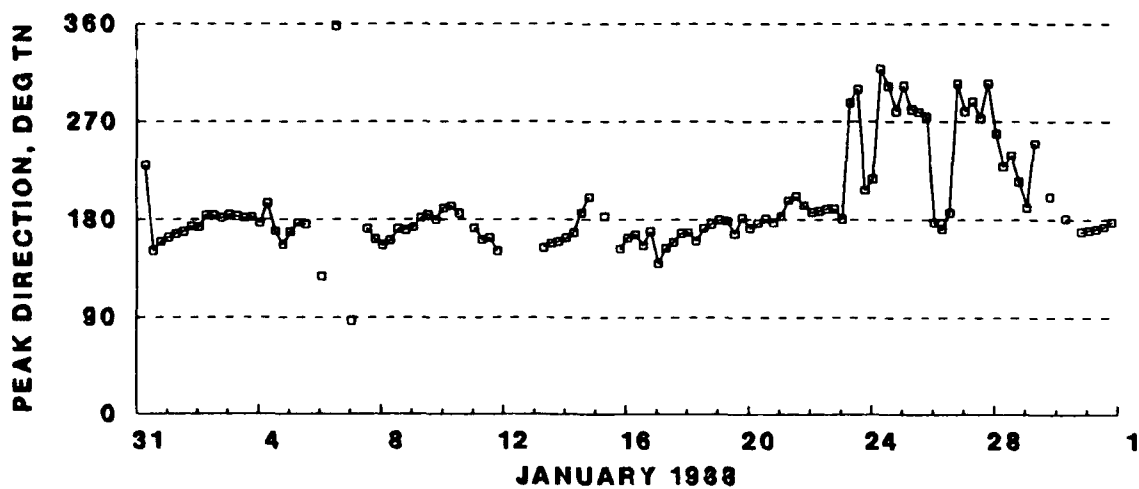
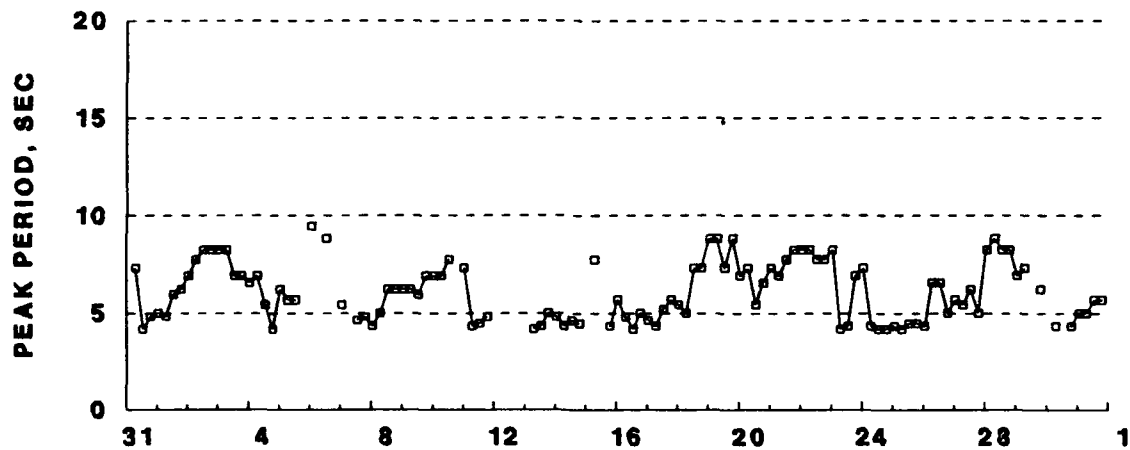
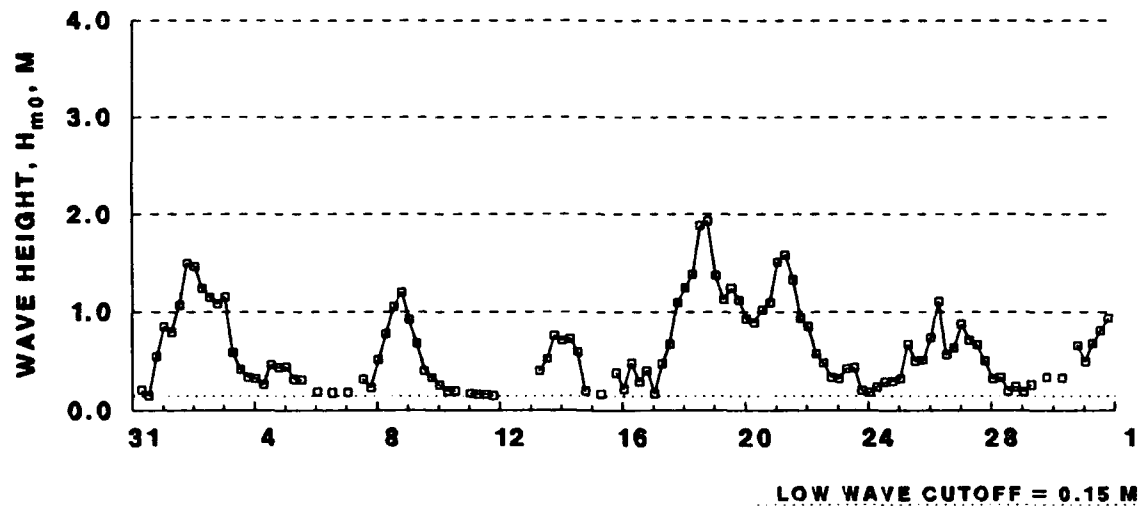
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



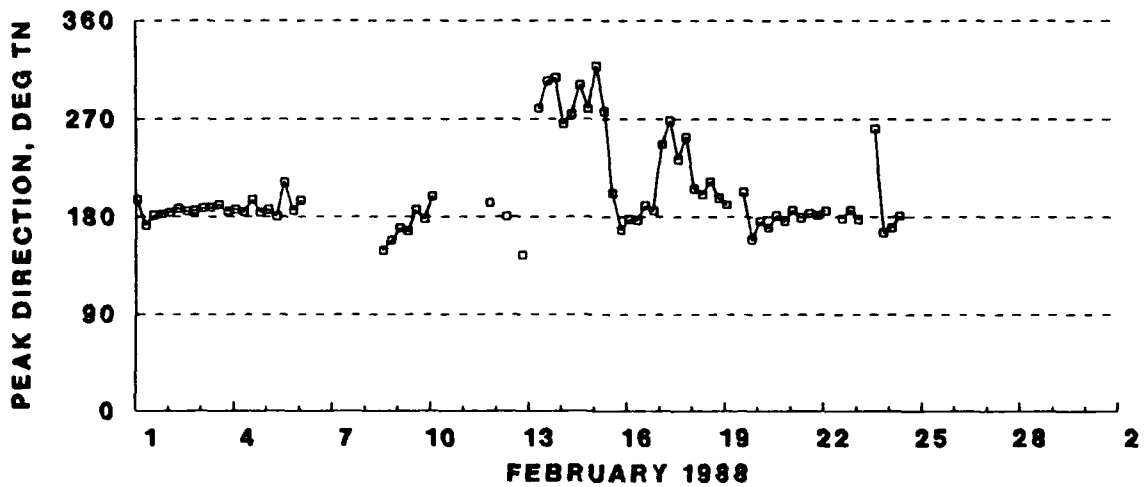
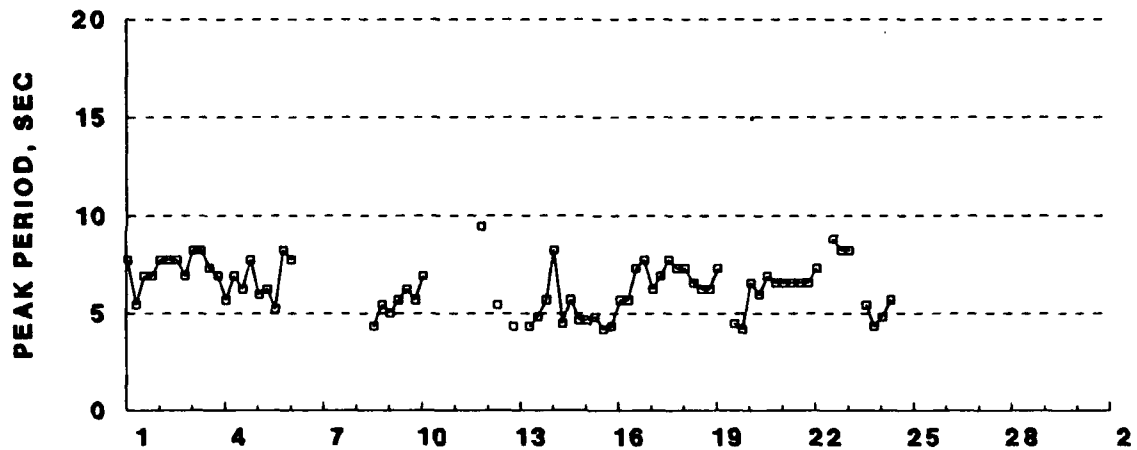
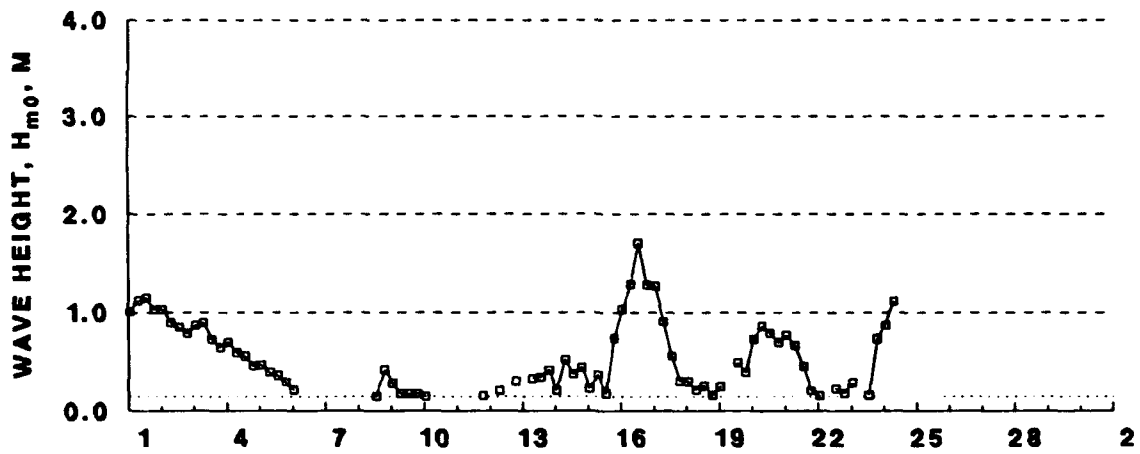
EAST PASS, DESTIN, FLORIDA **30°23'25" N; 86°35'38" W**



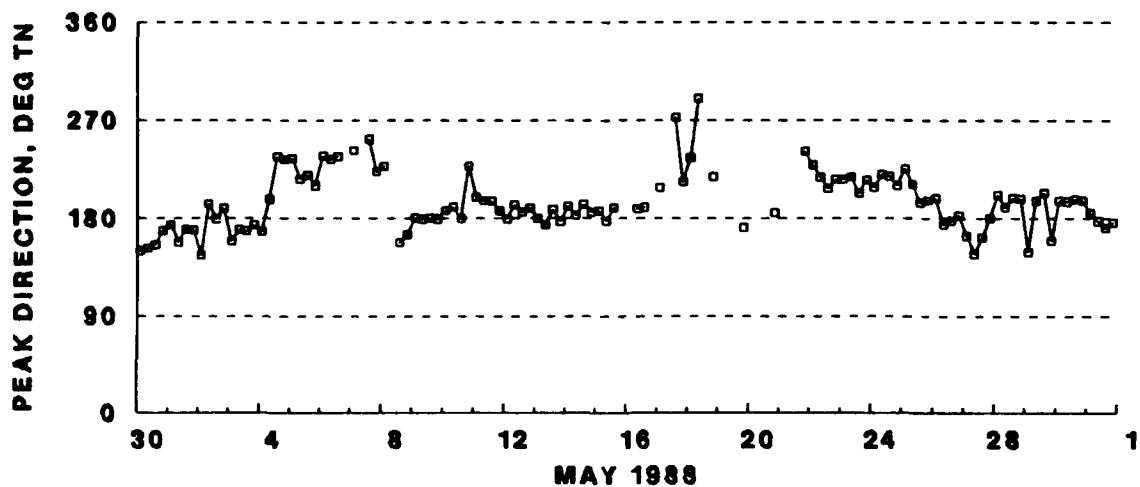
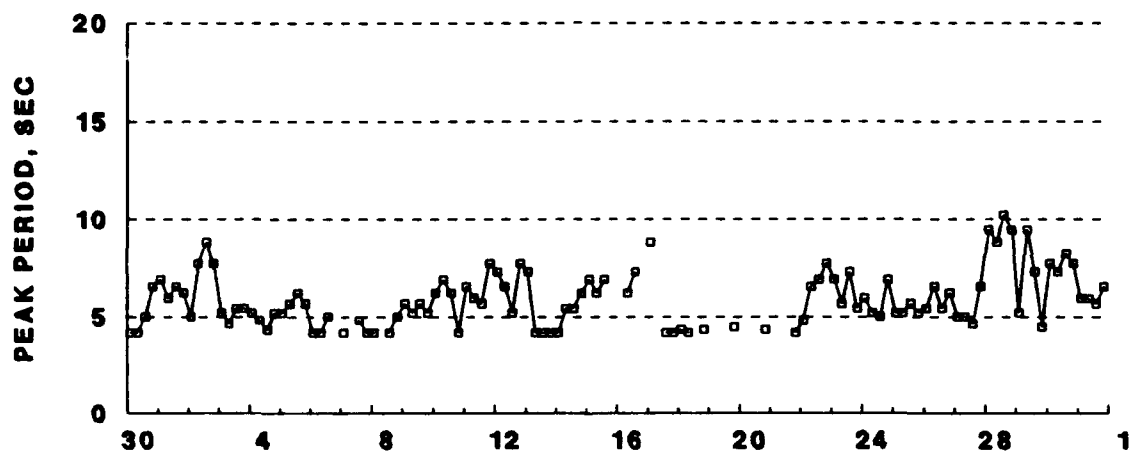
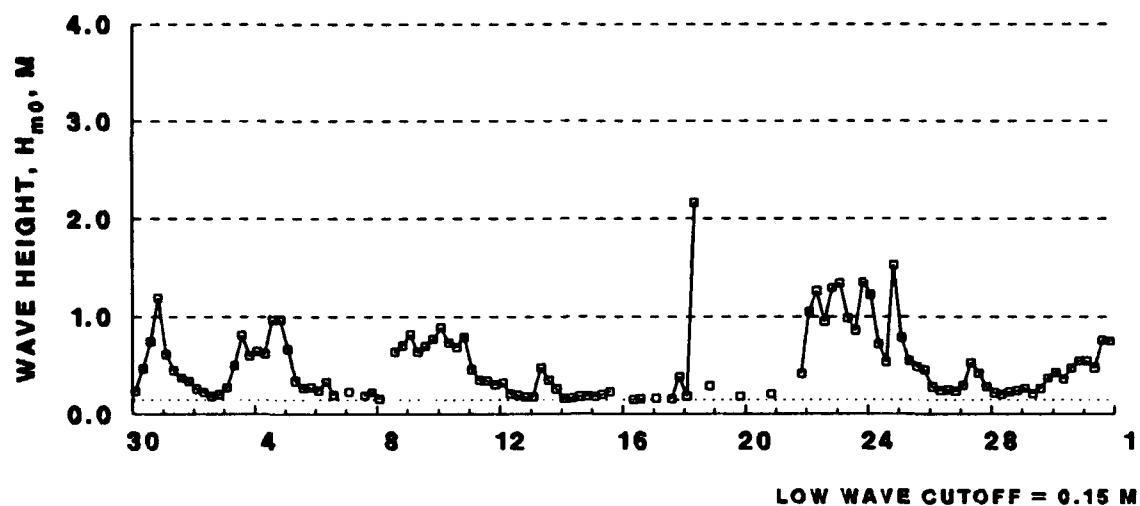
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



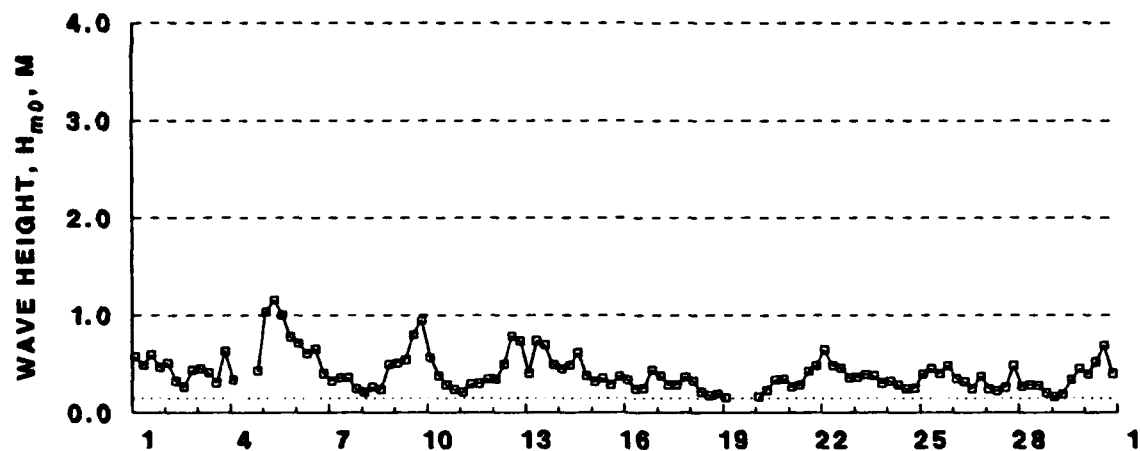
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



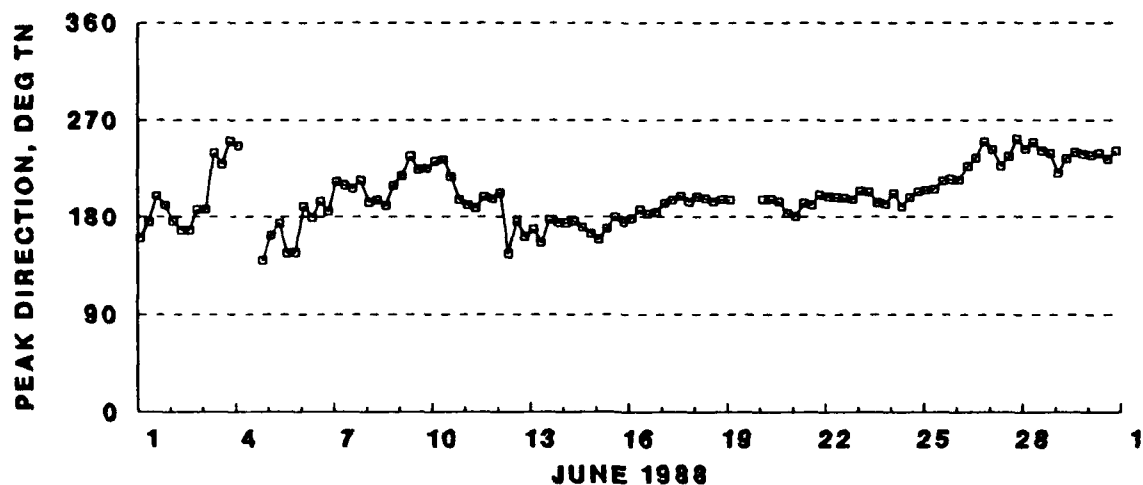
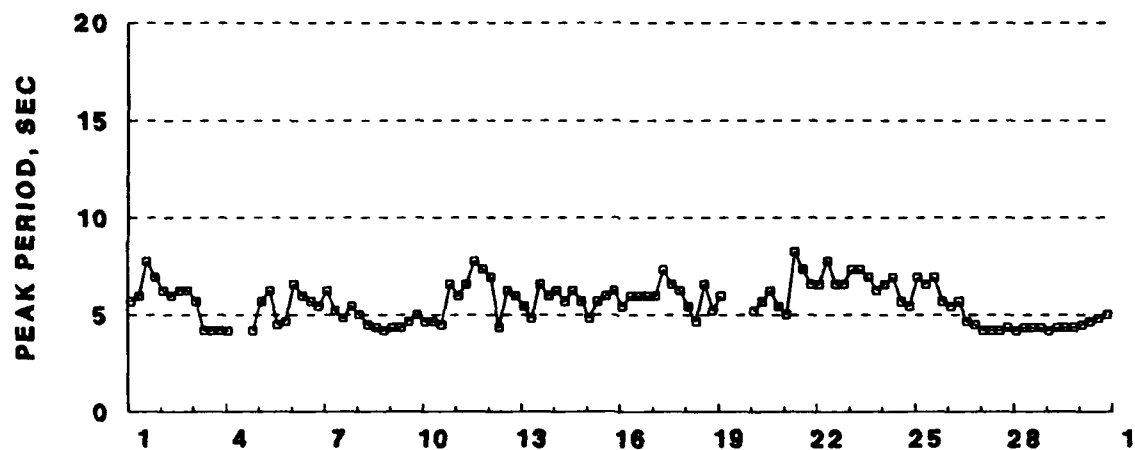
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



LOW WAVE CUTOFF = 0.15 M

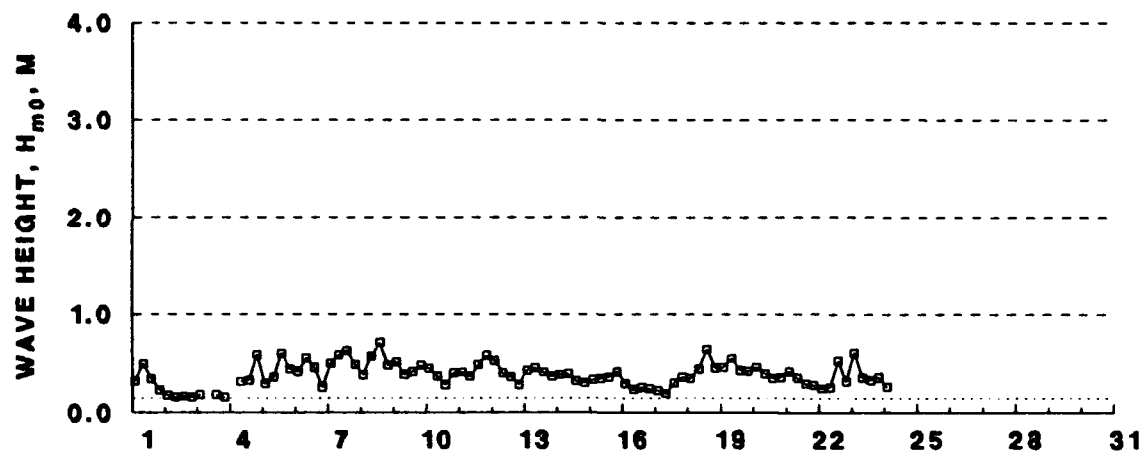


JUNE 1988

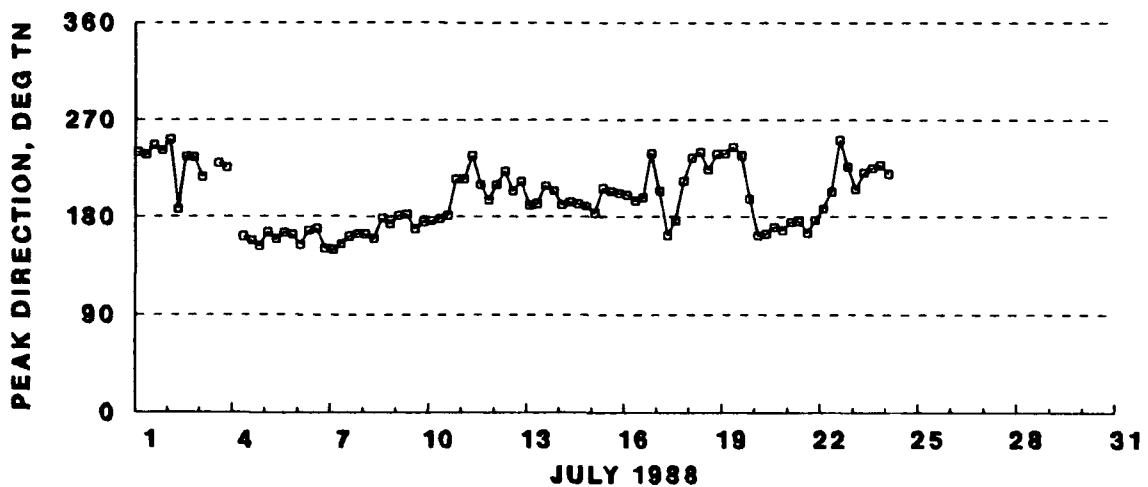
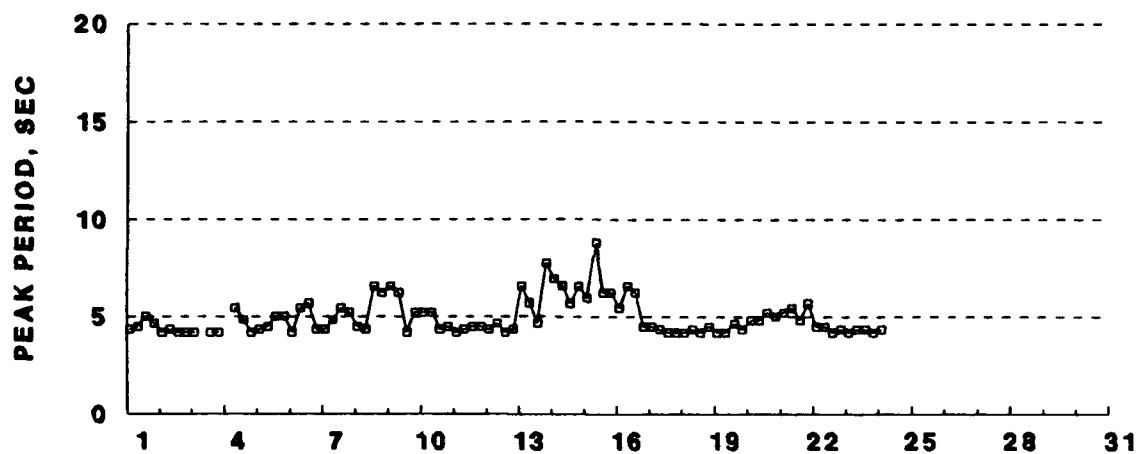
USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W

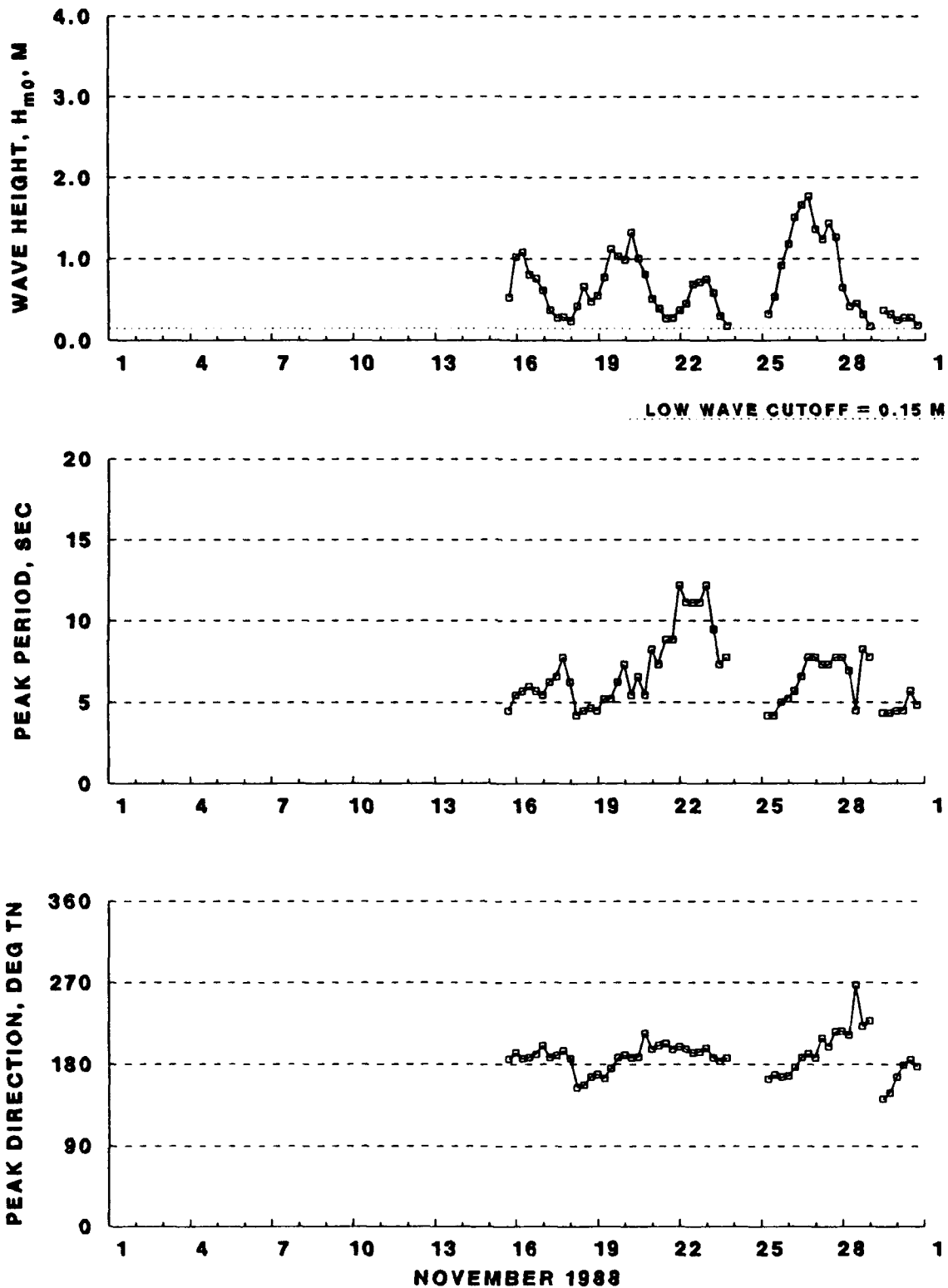


LOW WAVE CUTOFF = 0.15 M



JULY 1988

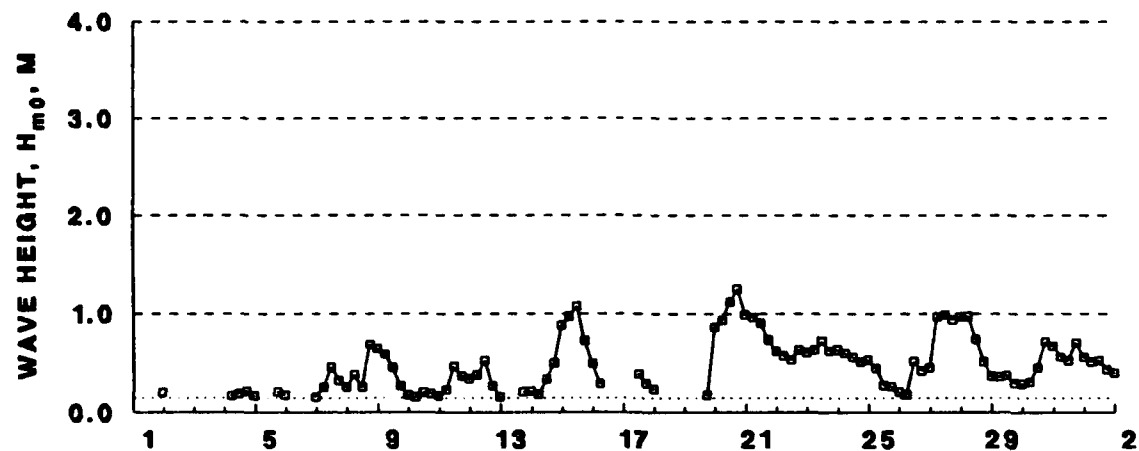
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



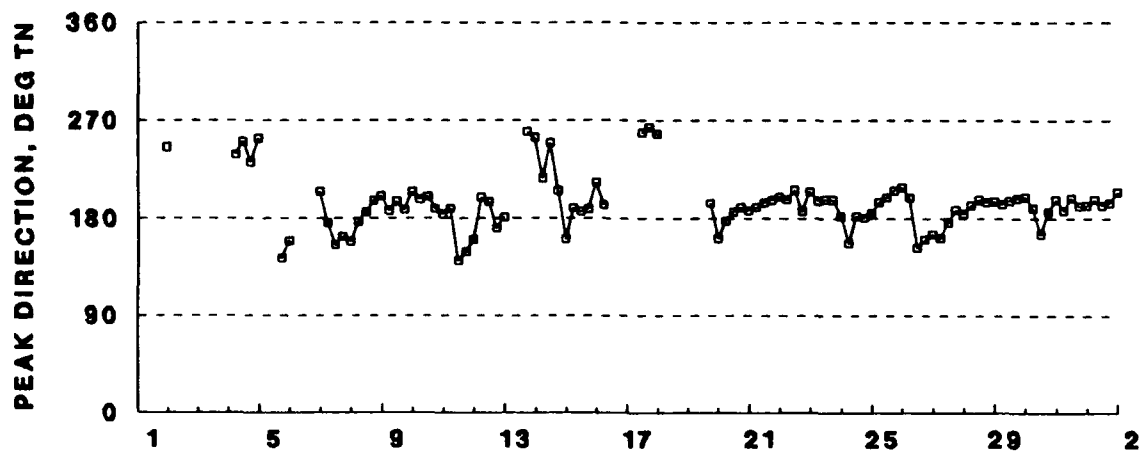
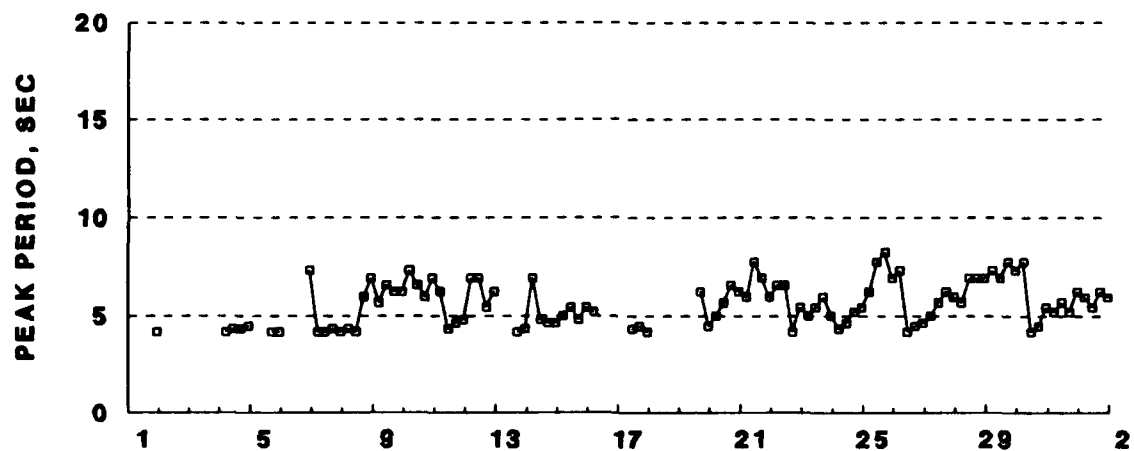
USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W

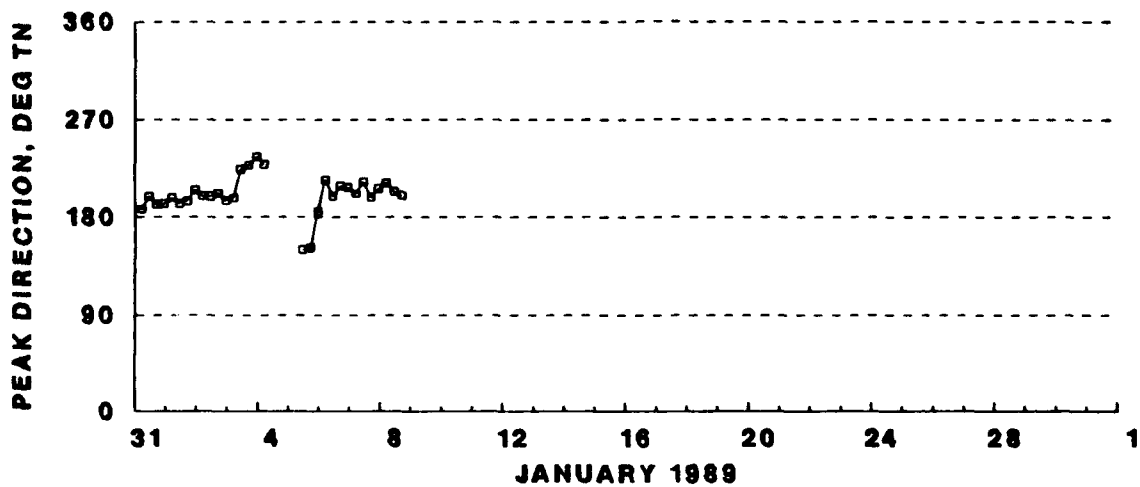
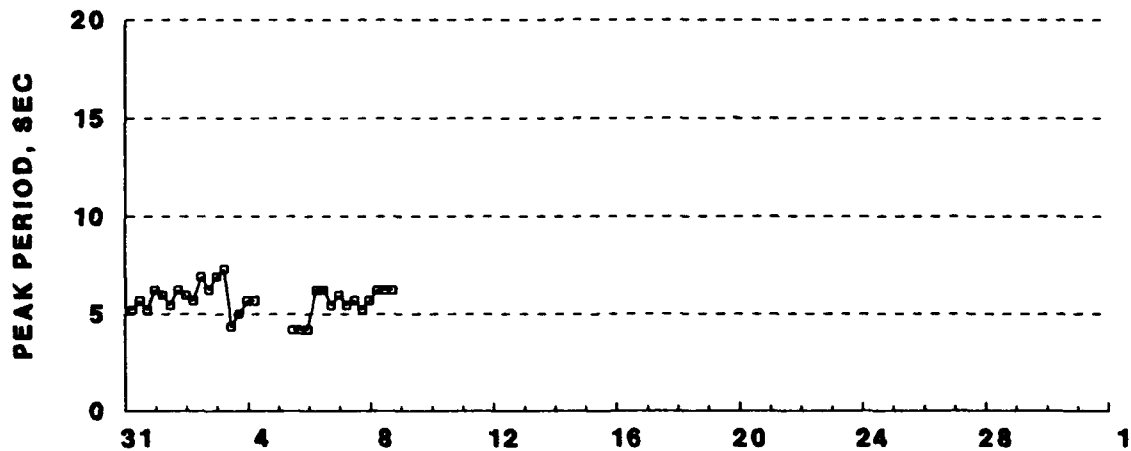
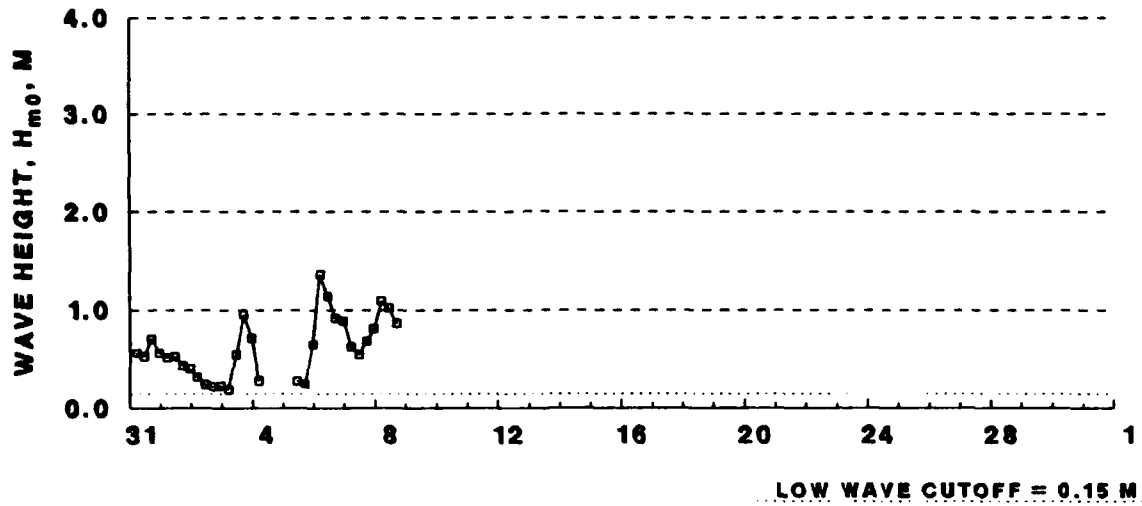


LOW WAVE CUTOFF = 0.15 M

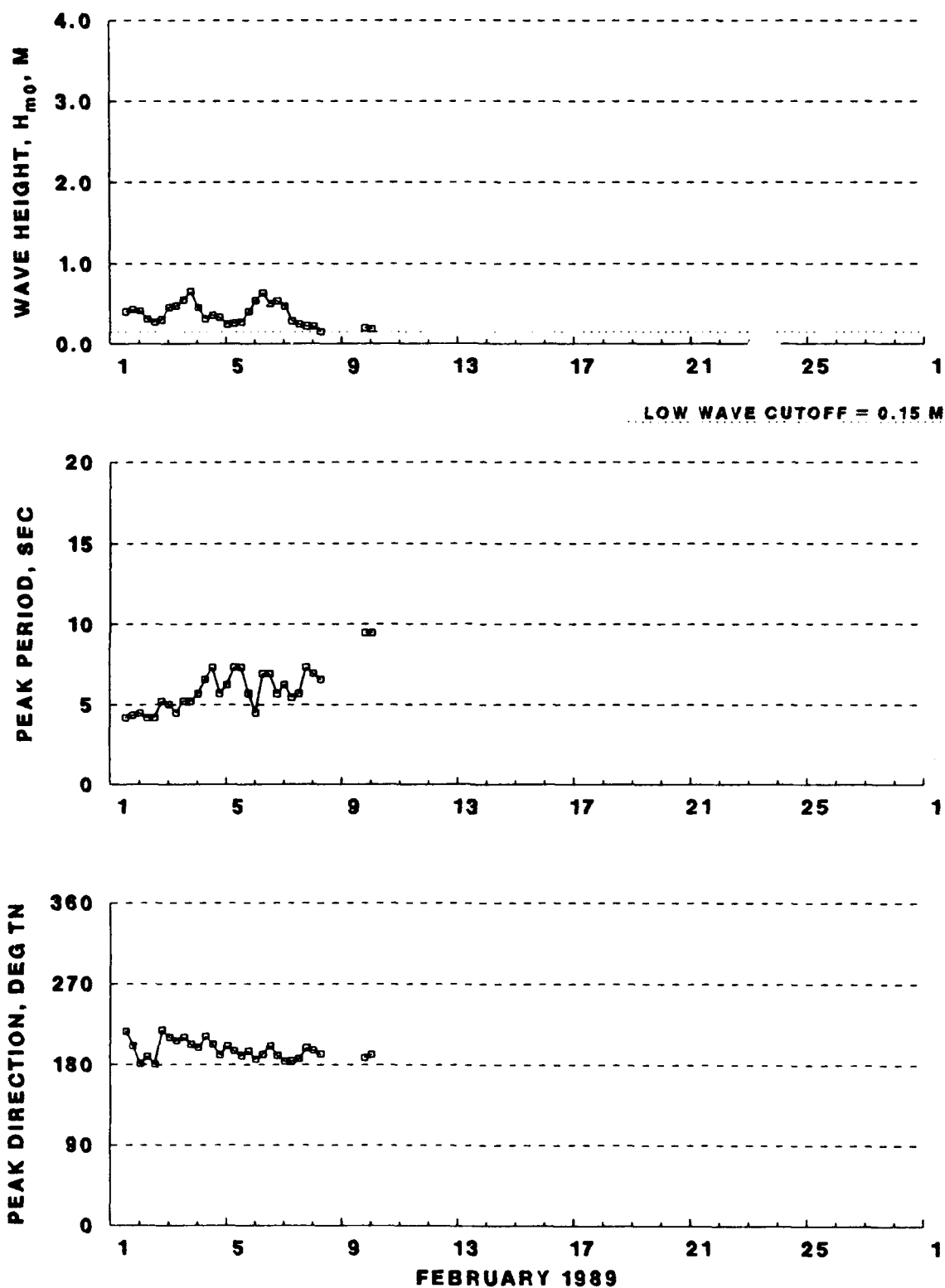


DECEMBER 1988

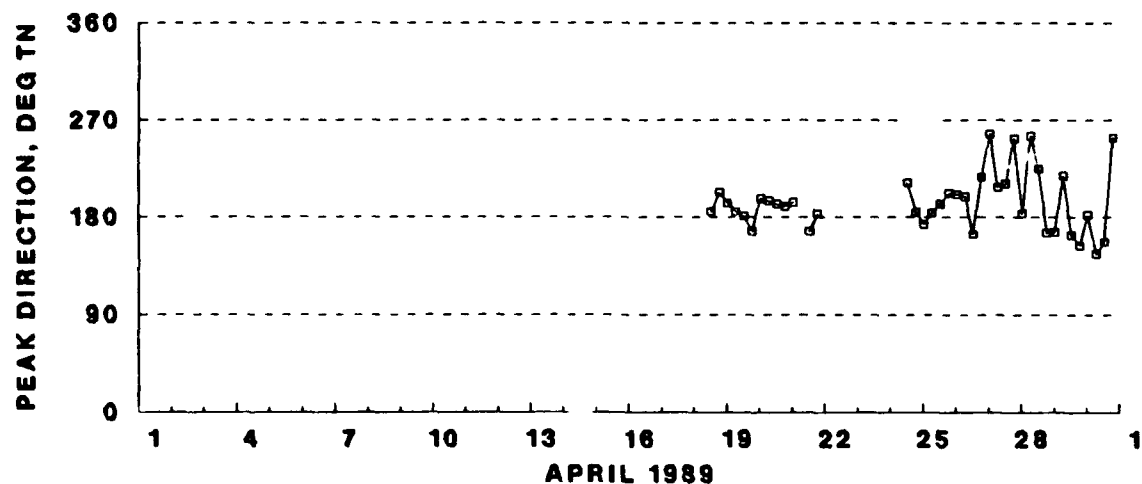
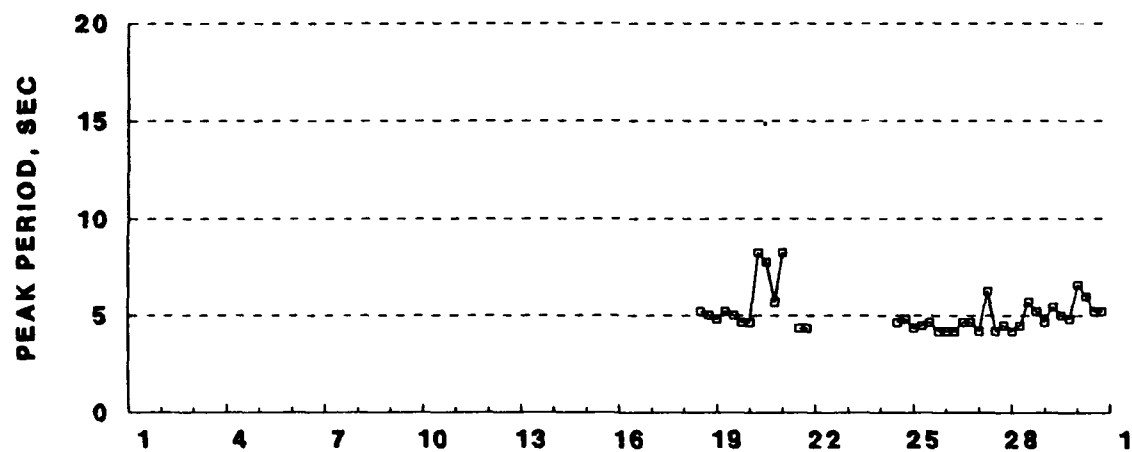
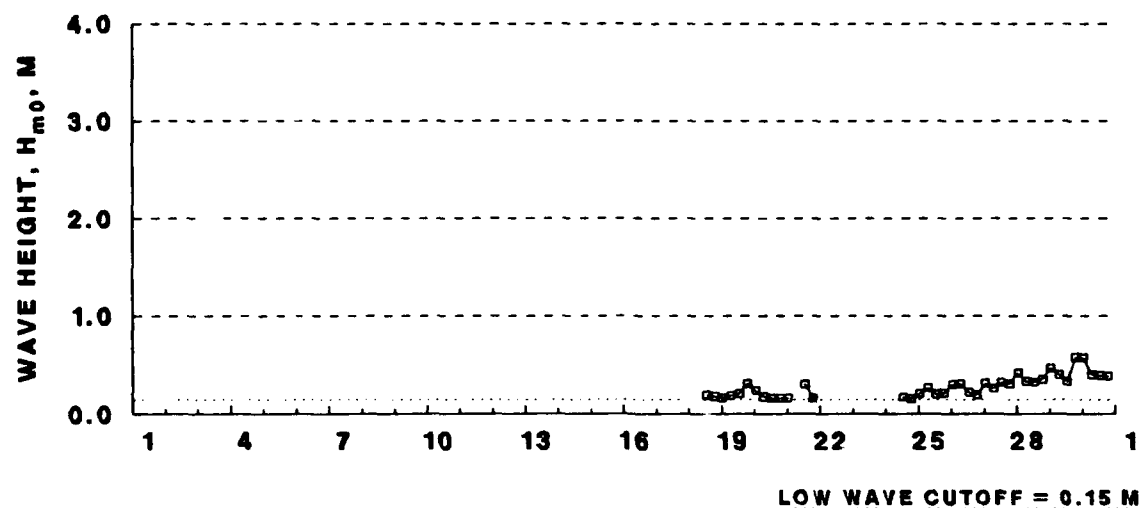
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



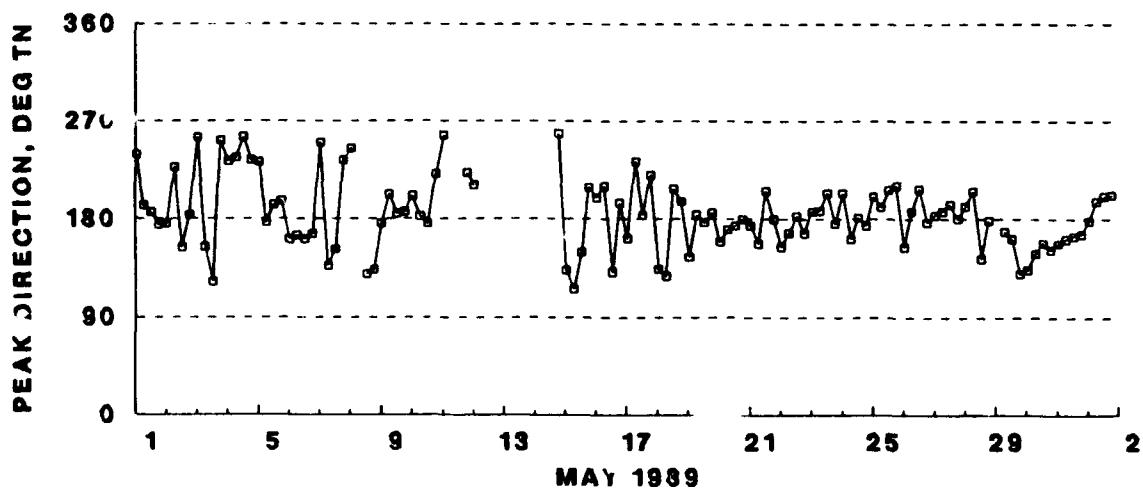
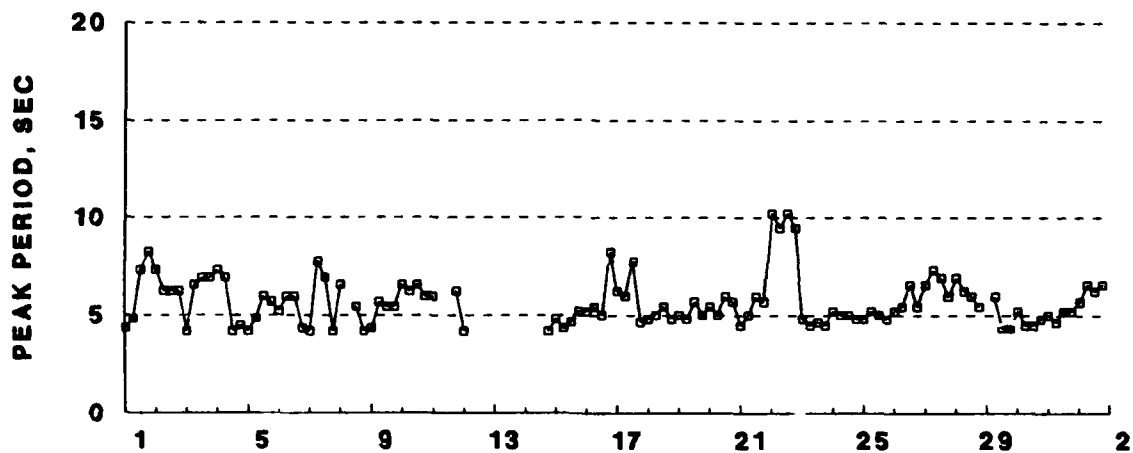
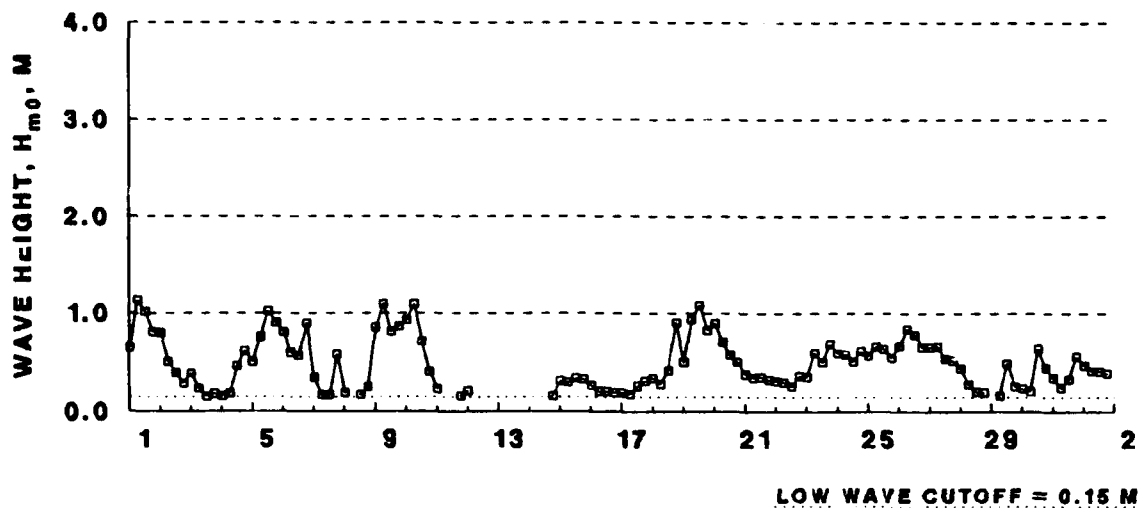
EAST PASS, DESTIN, FLORIDA **30°23'25" N; 86°35'38" W**



EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



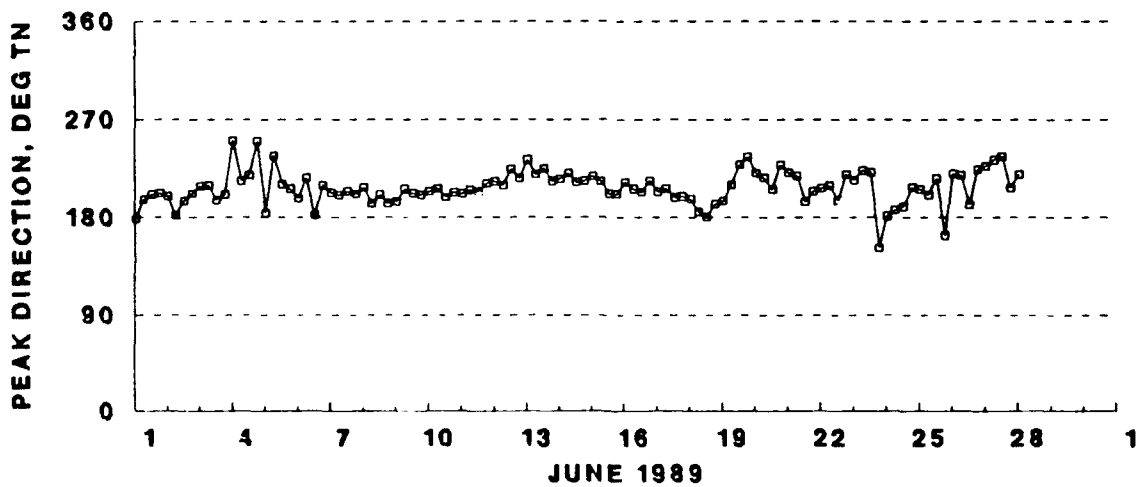
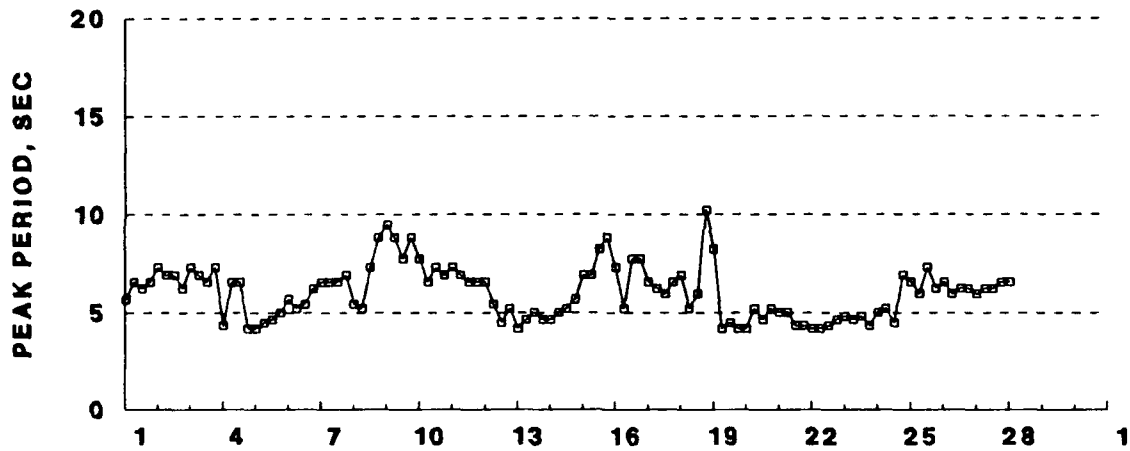
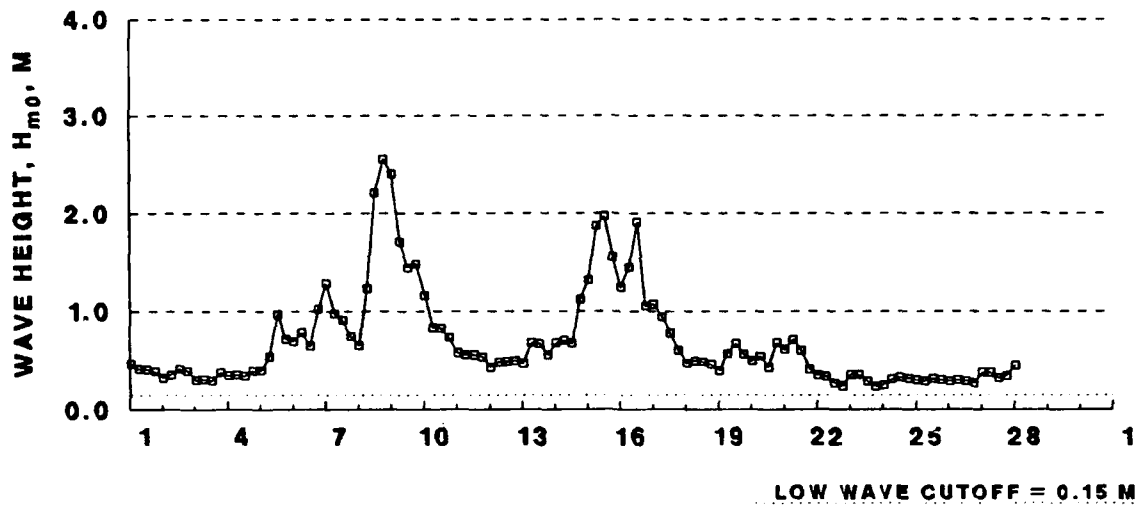
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



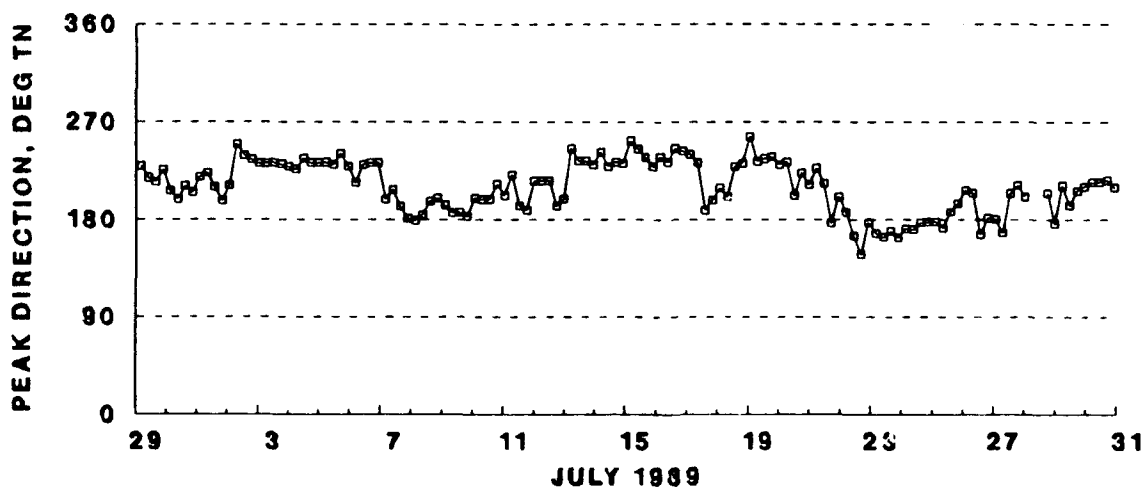
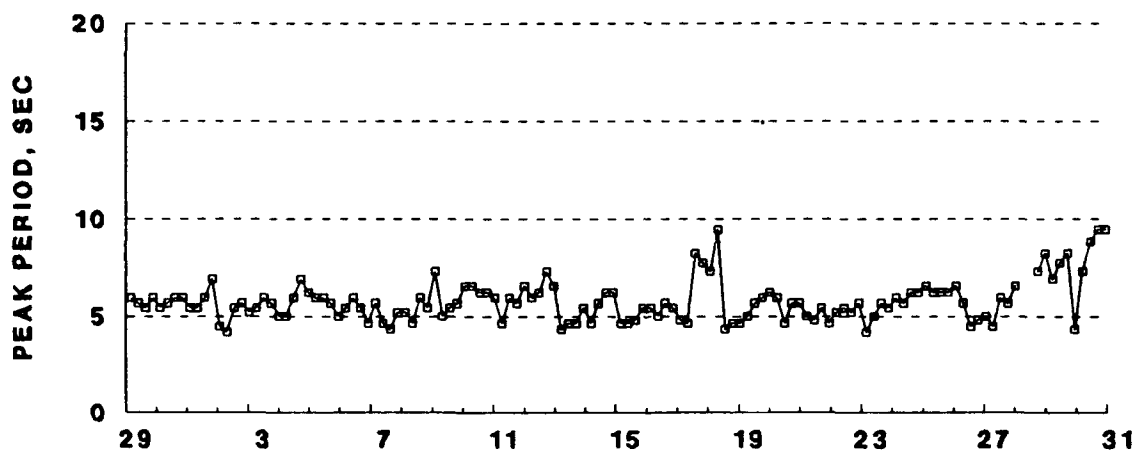
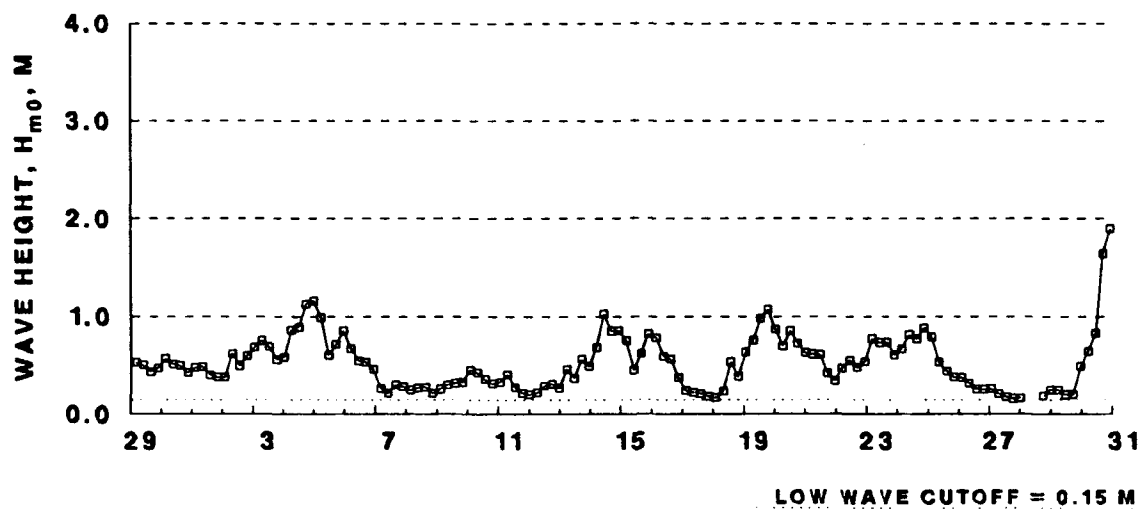
USAE COASTAL ENGINEERING RESEARCH CENTER

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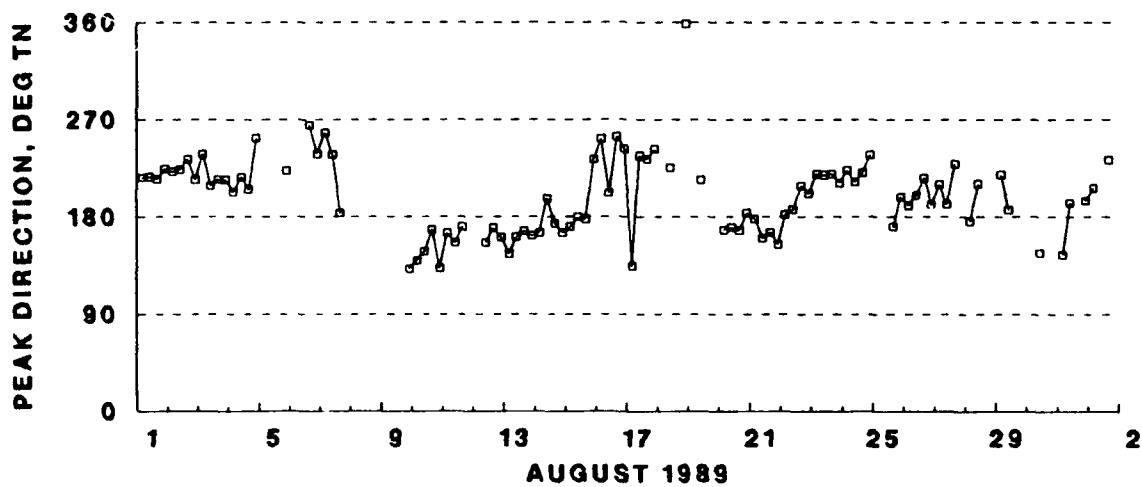
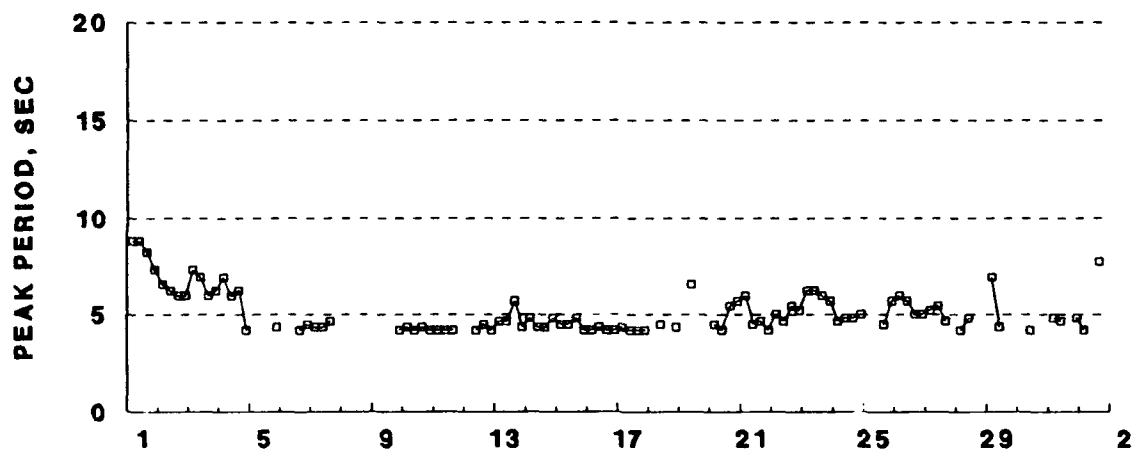
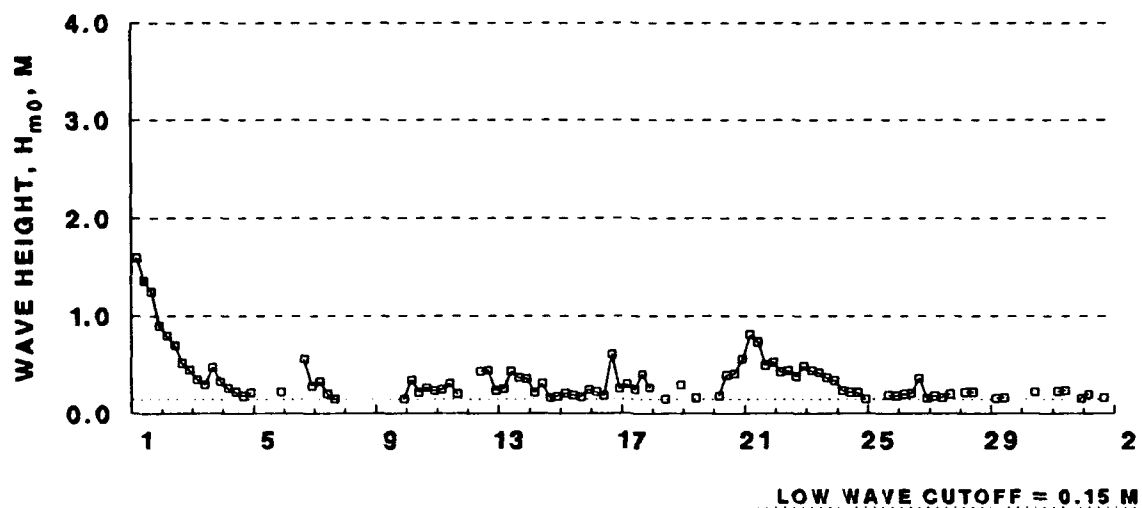
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



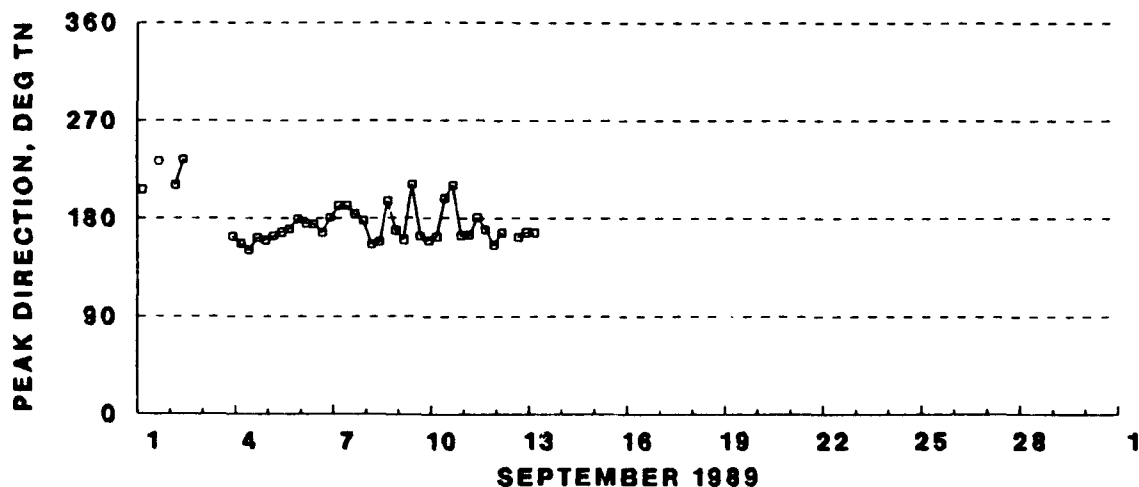
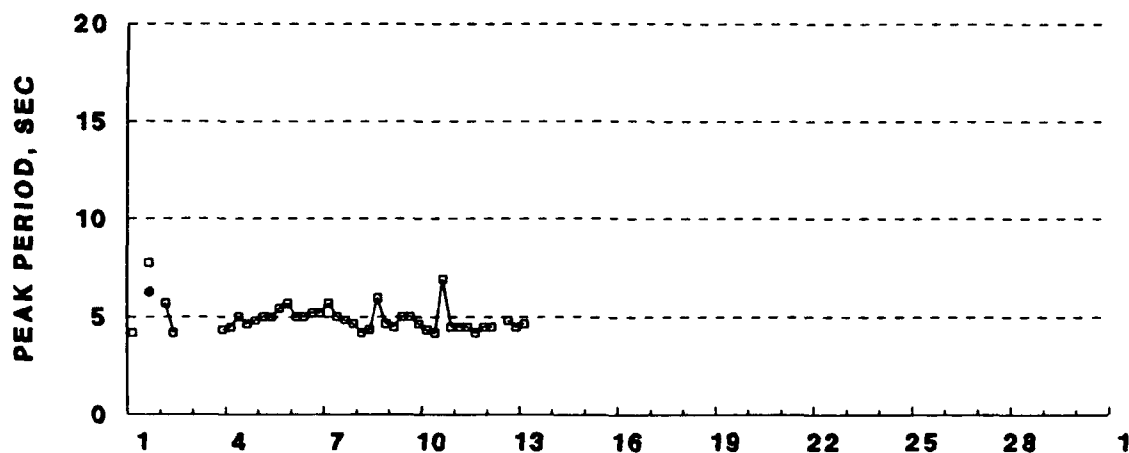
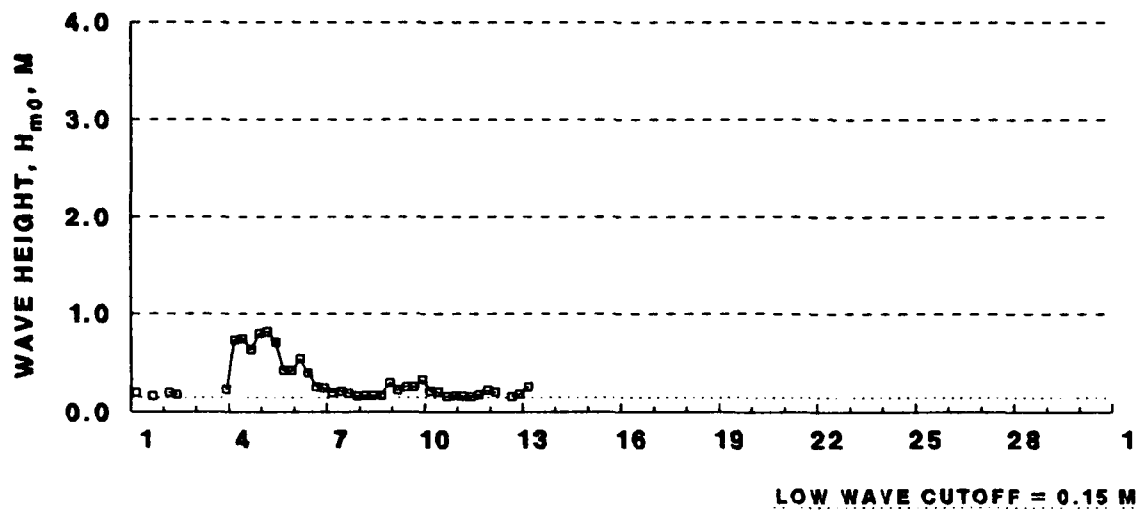
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



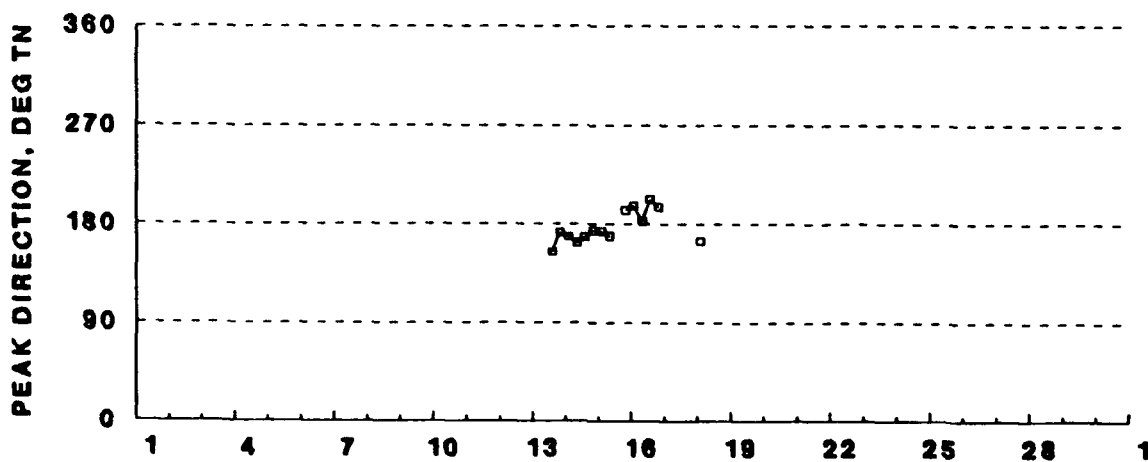
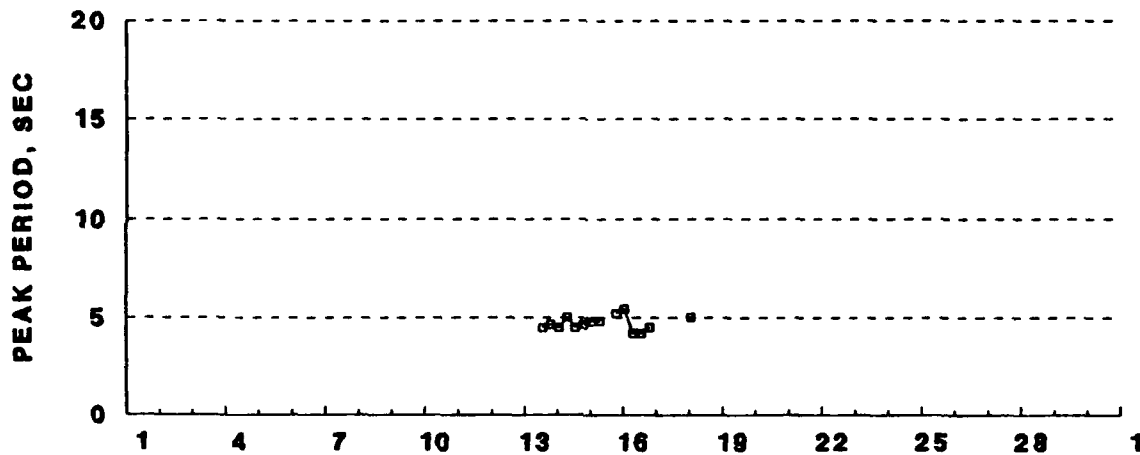
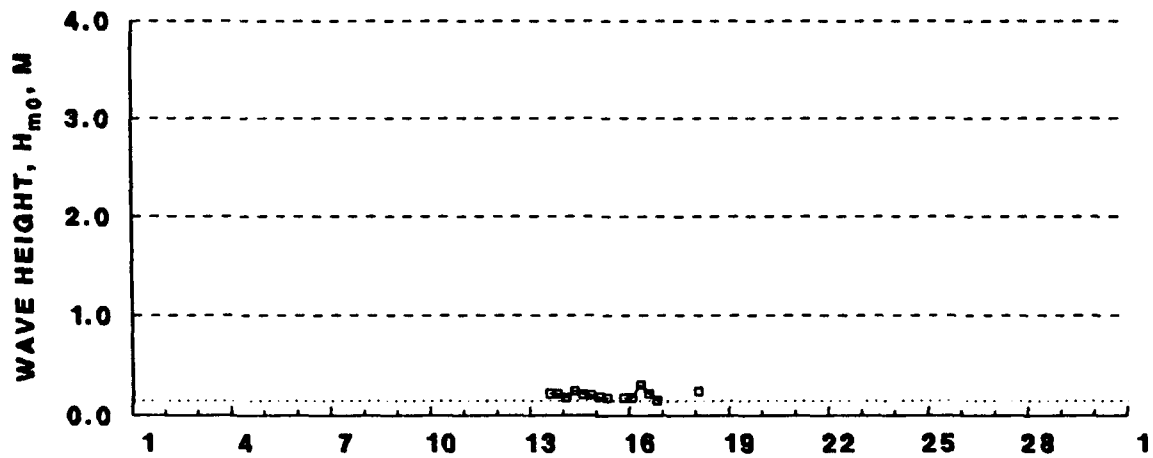
EAST PASS, DESTIN, FLORIDA **30°23'25" N; 86°35'38" W**



EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W

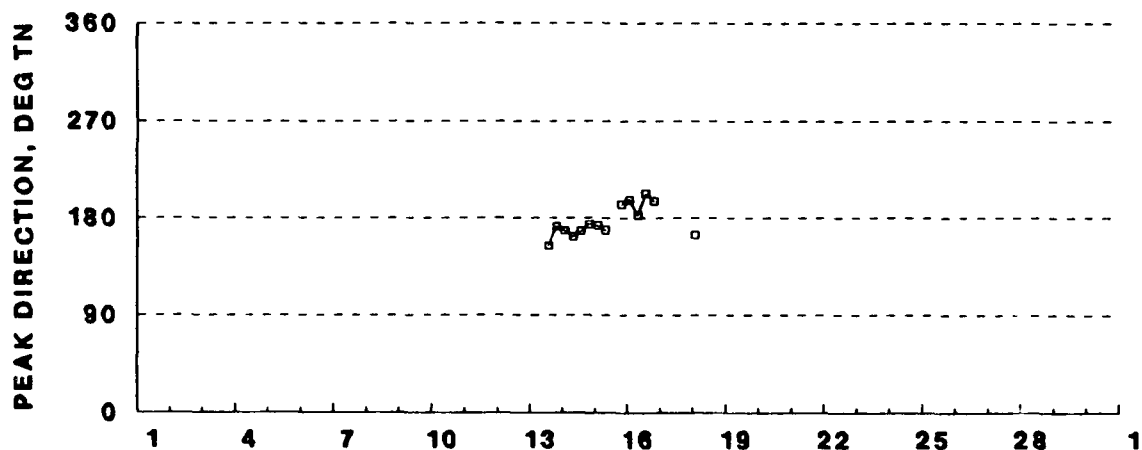
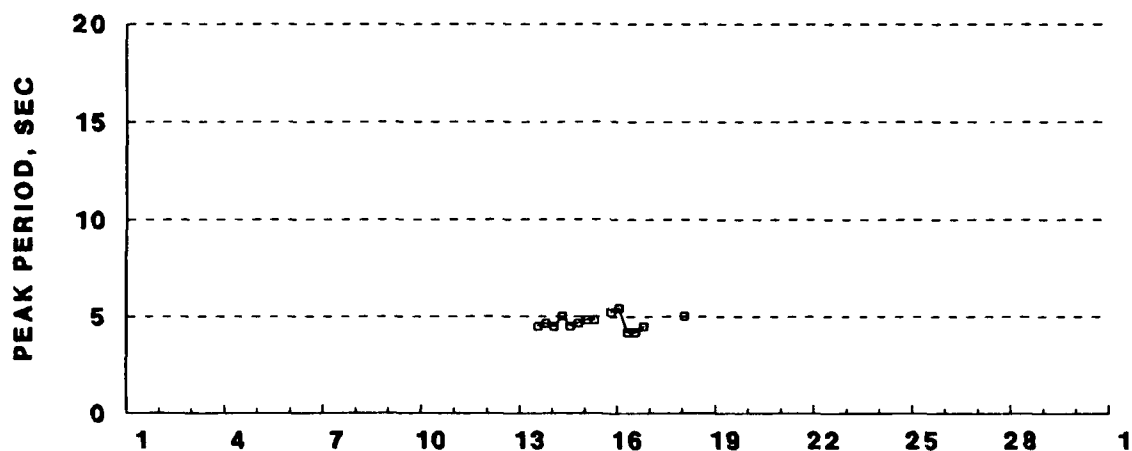
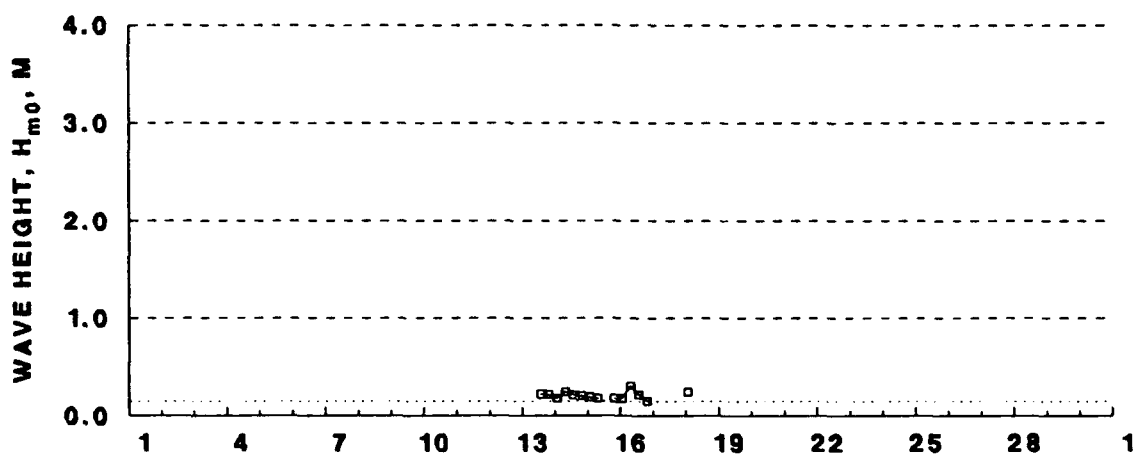


EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



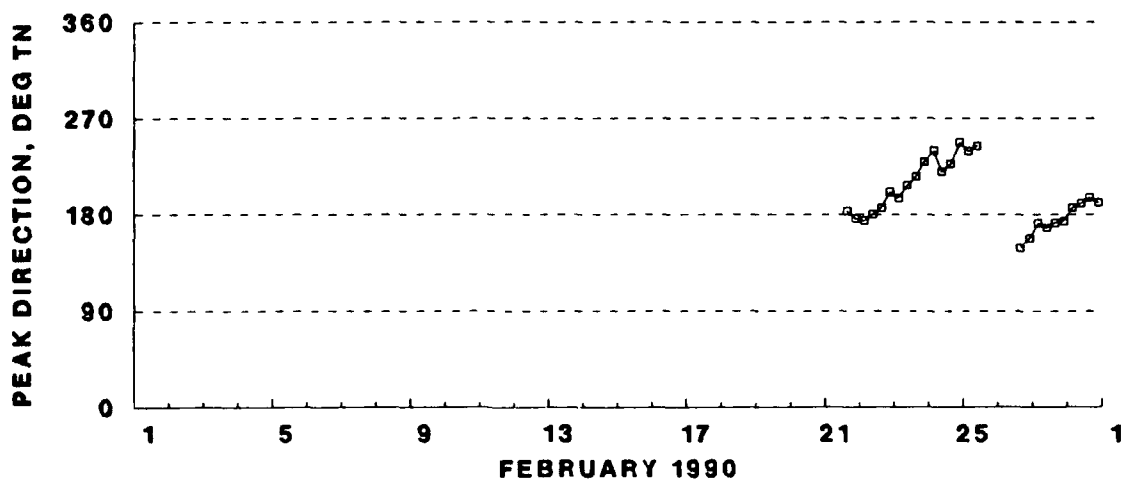
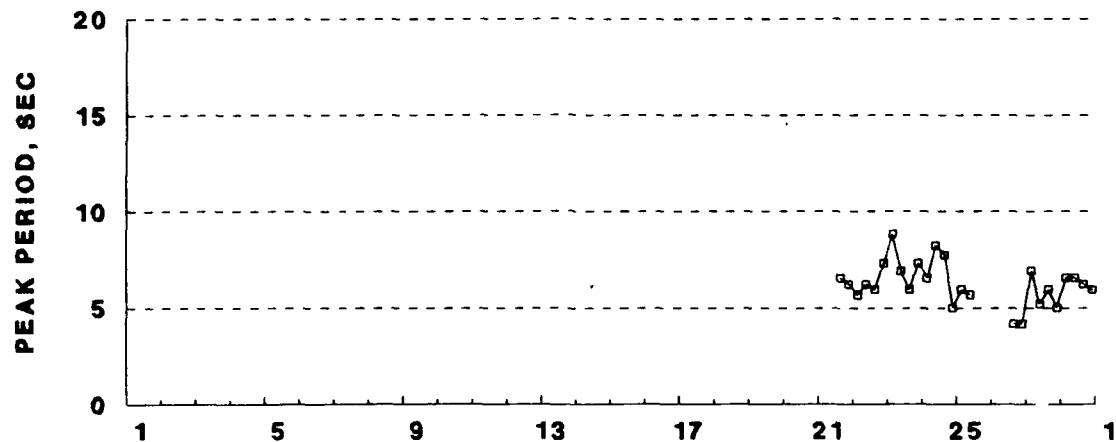
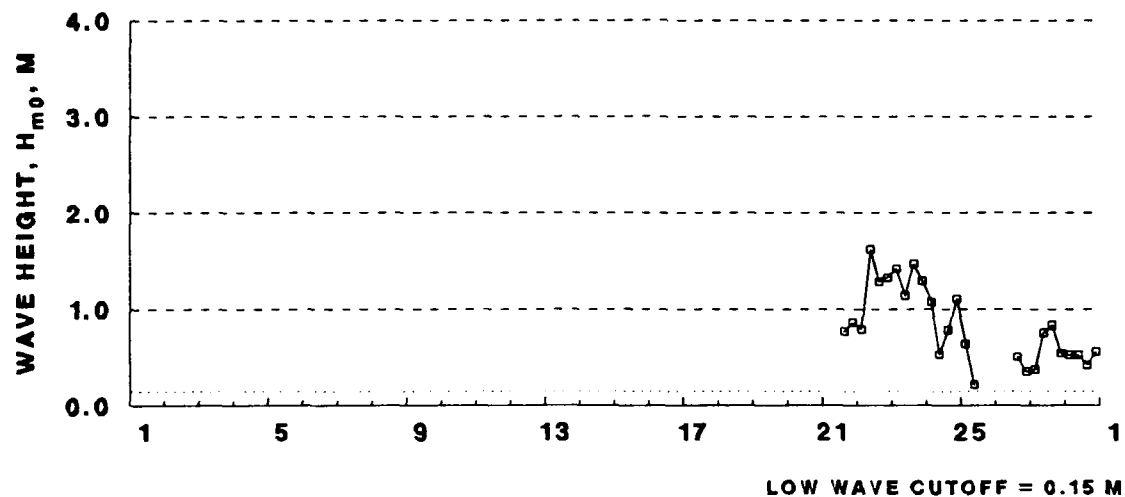
SEPTEMBER 1989

EAST PASS, DESTIN, FLORIDA **30°23'25" N; 86°35'38" W**



SEPTEMBER 1989

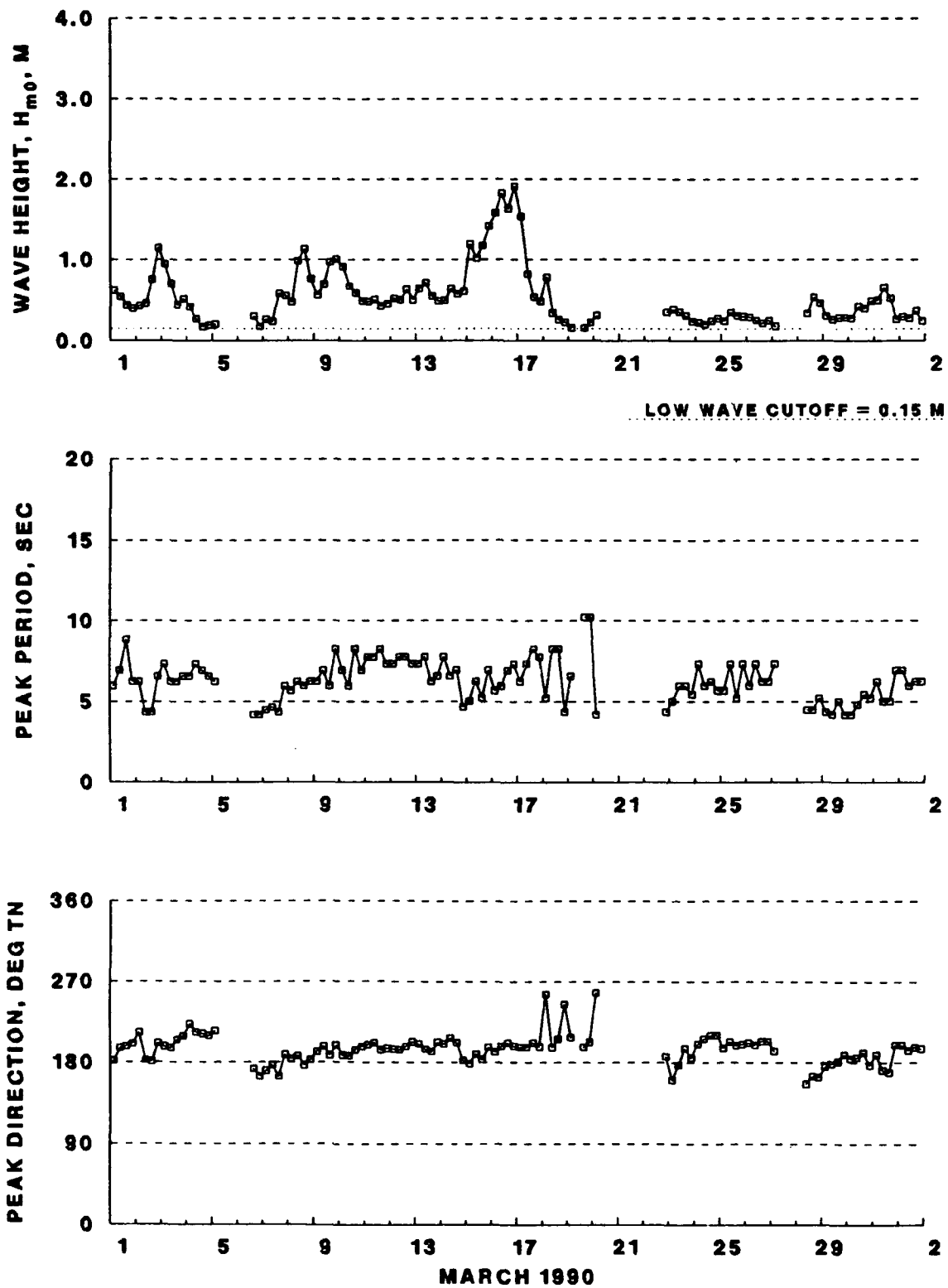
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



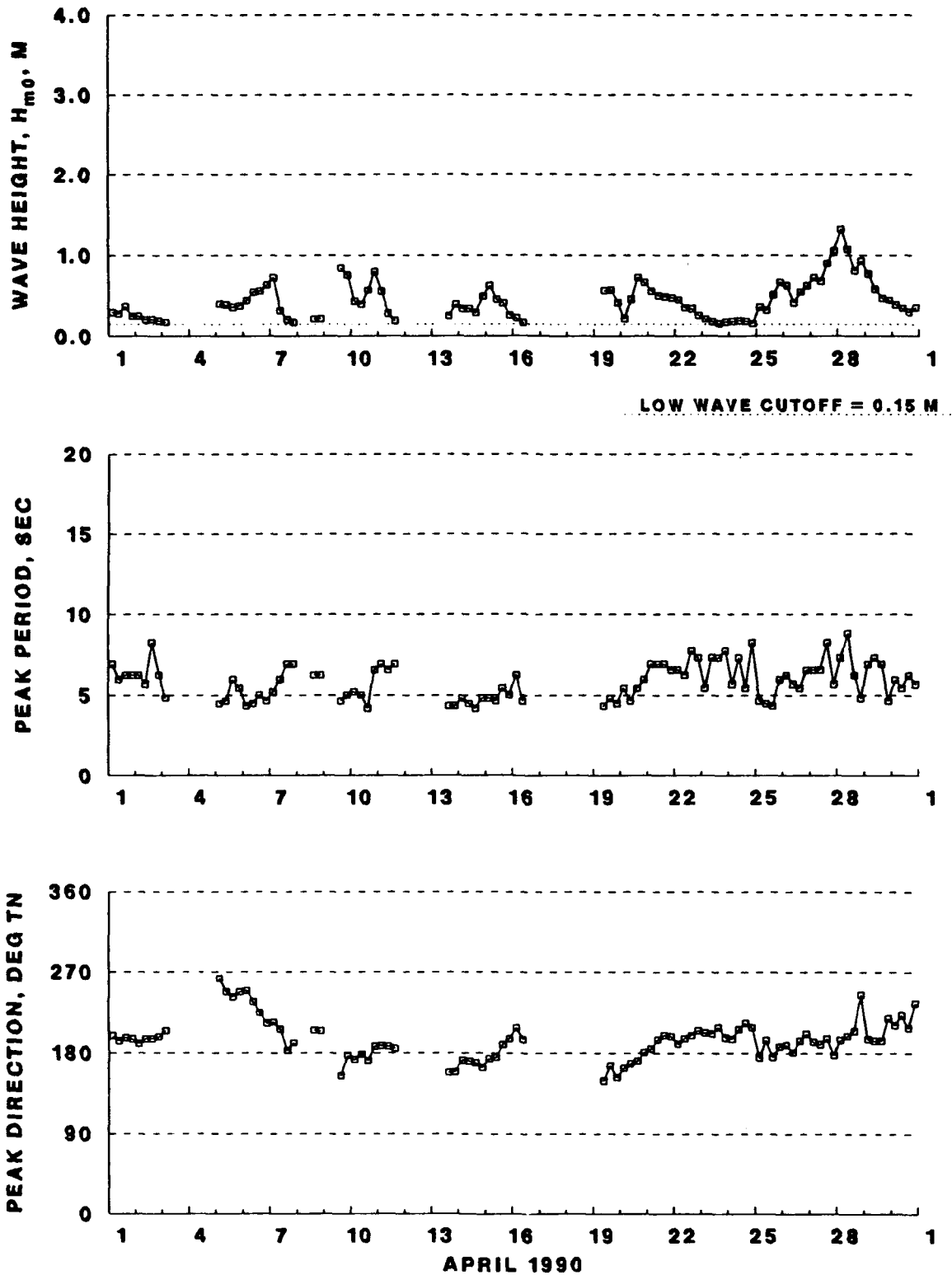
USAE COASTAL ENGINEERING RESEARCH CENTER

CEWES-CD-P

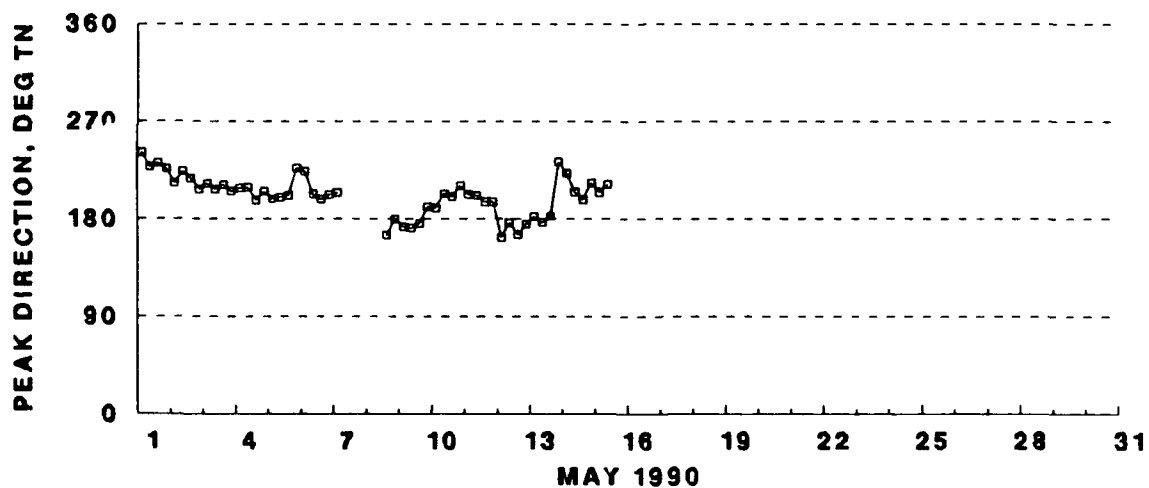
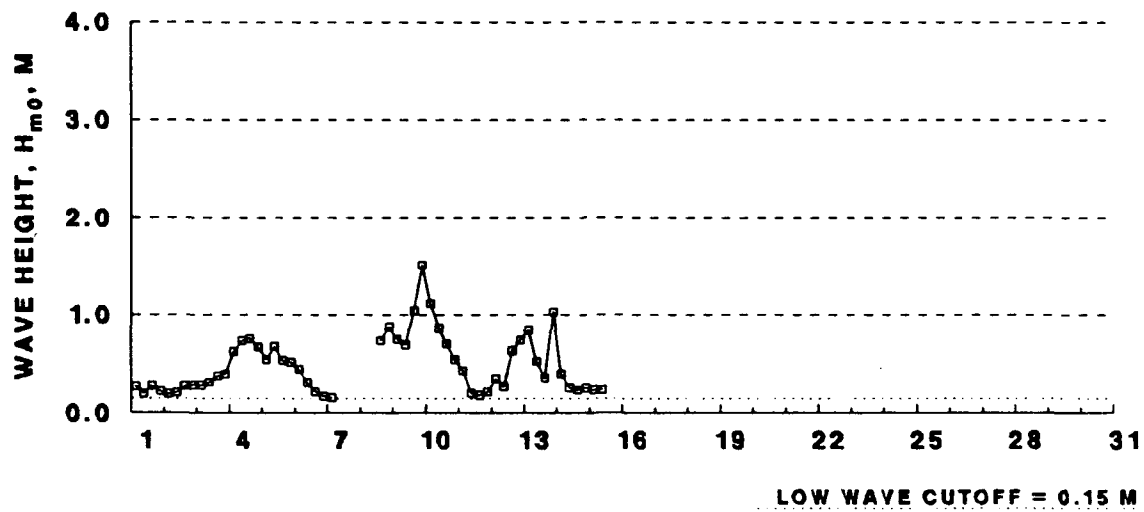
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



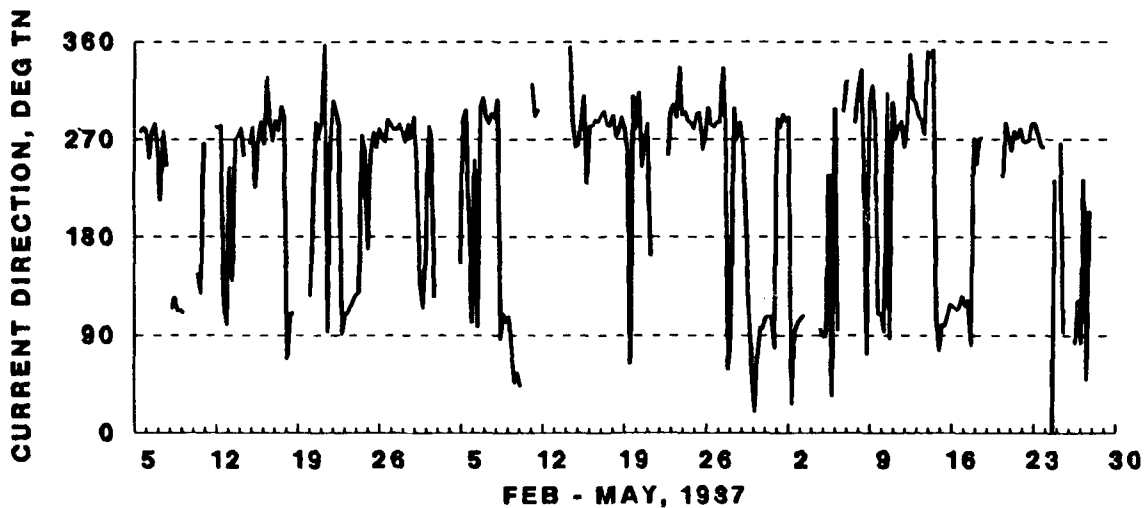
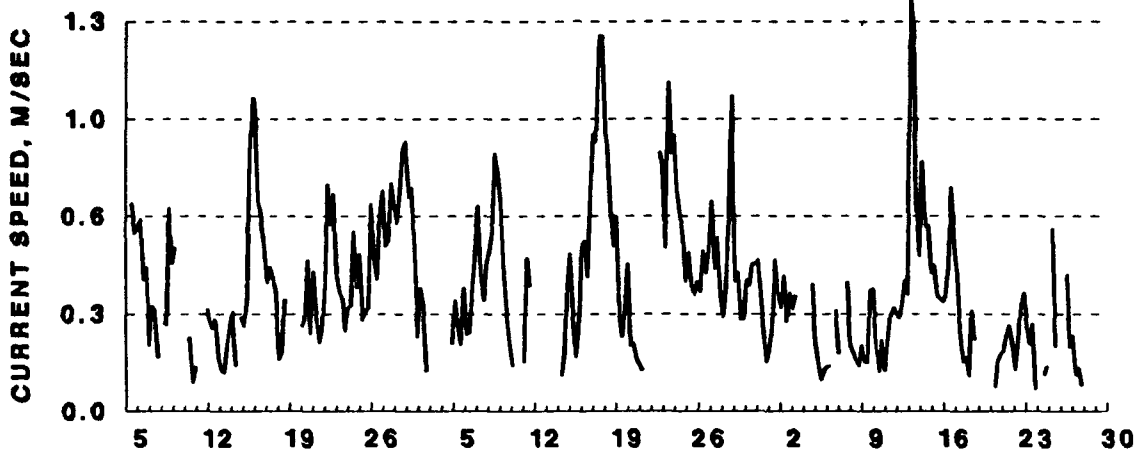
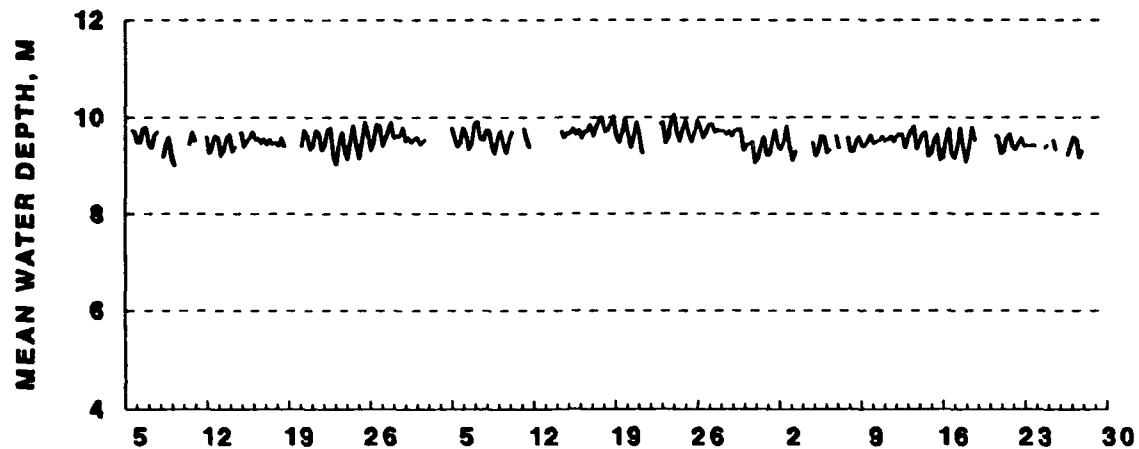
Appendix E

Plots of Water Depth and Mean Currents, 1987 -1989

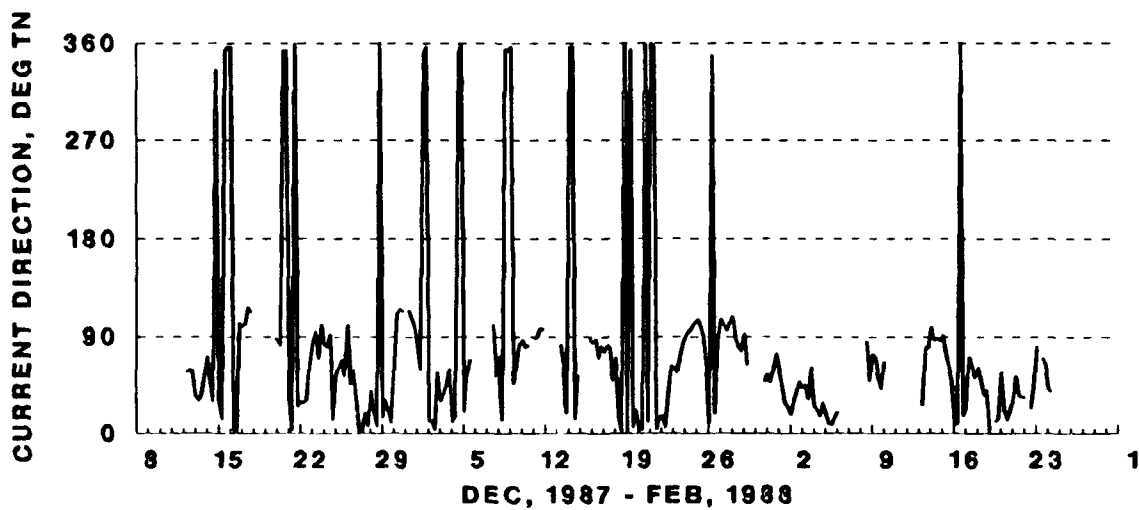
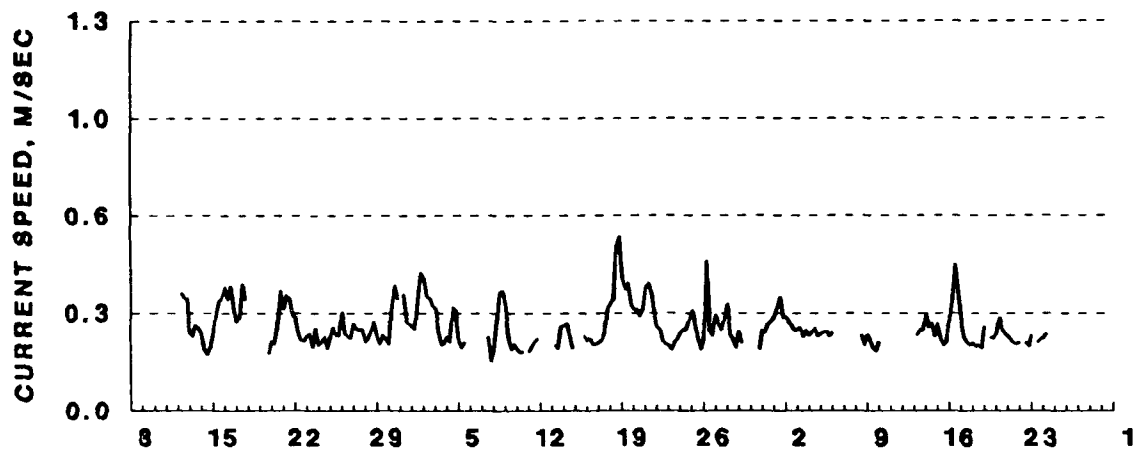
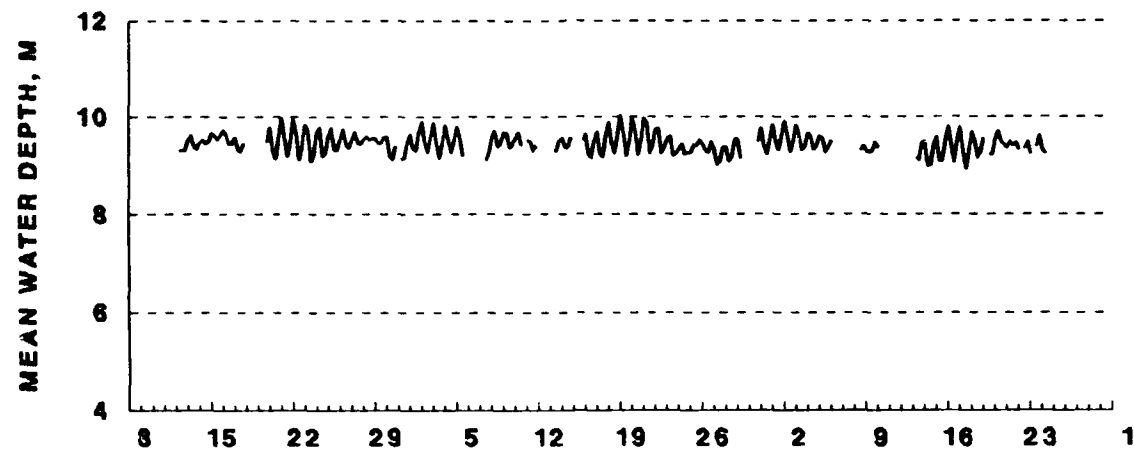
East Pass, Florida

(Data collected near Okaloosa County Pier, Fort Walton Beach, Florida)

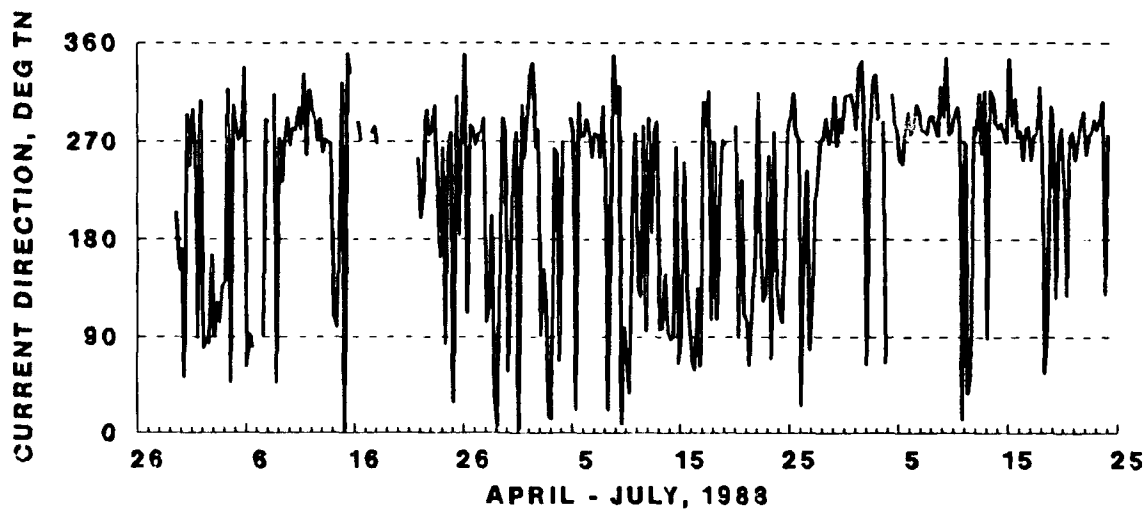
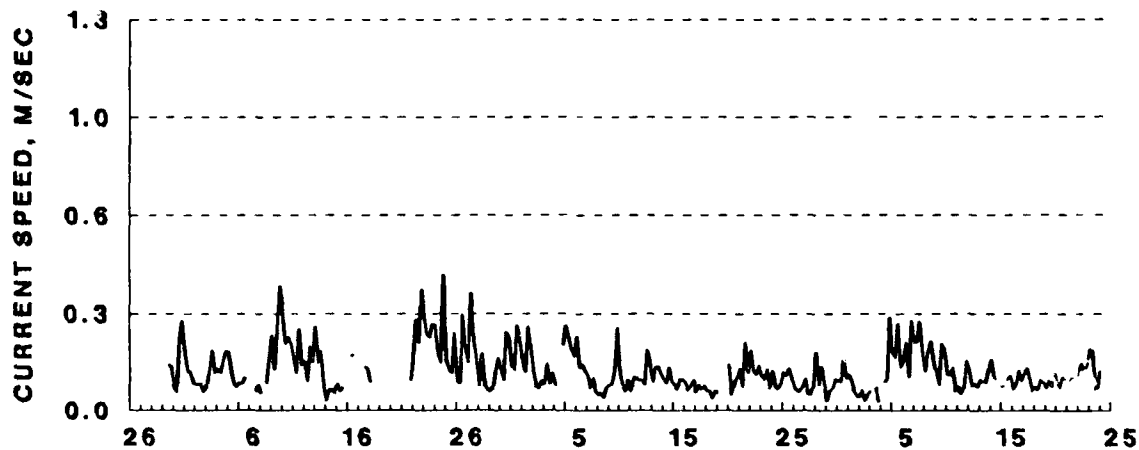
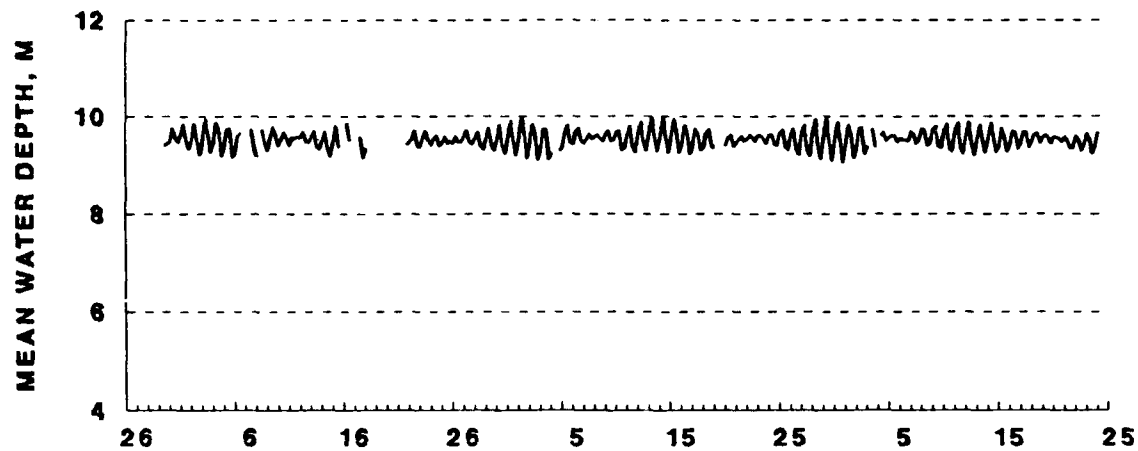
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



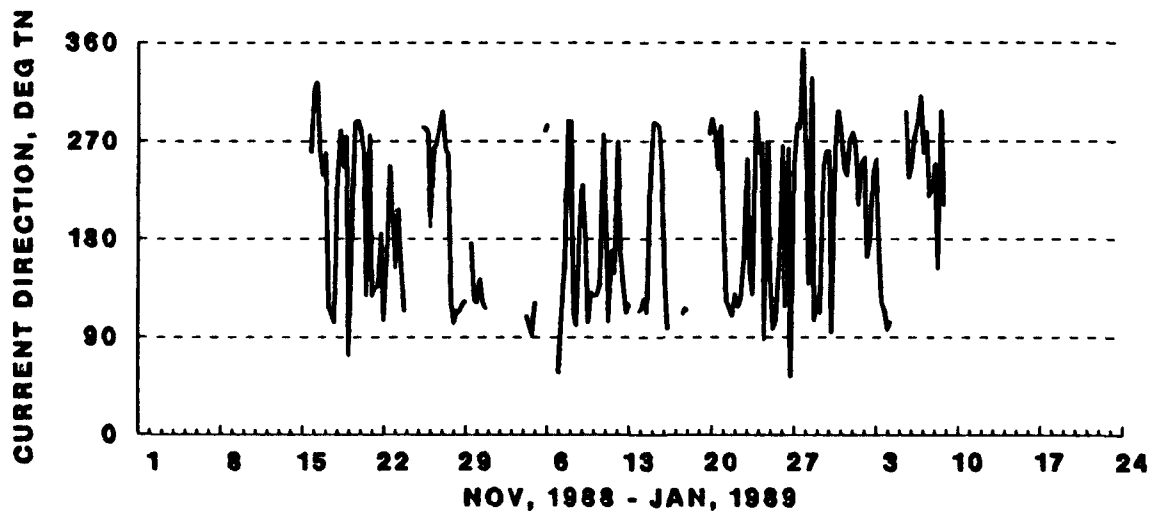
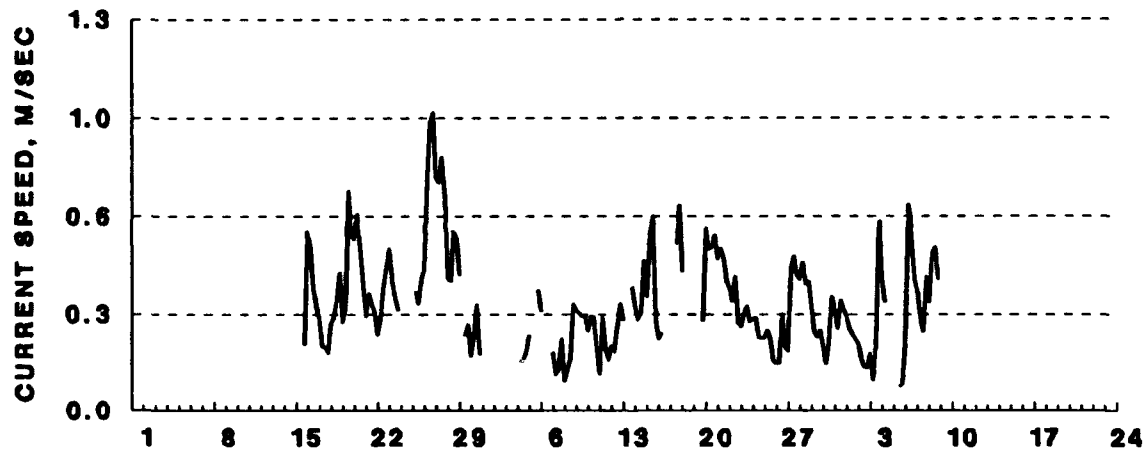
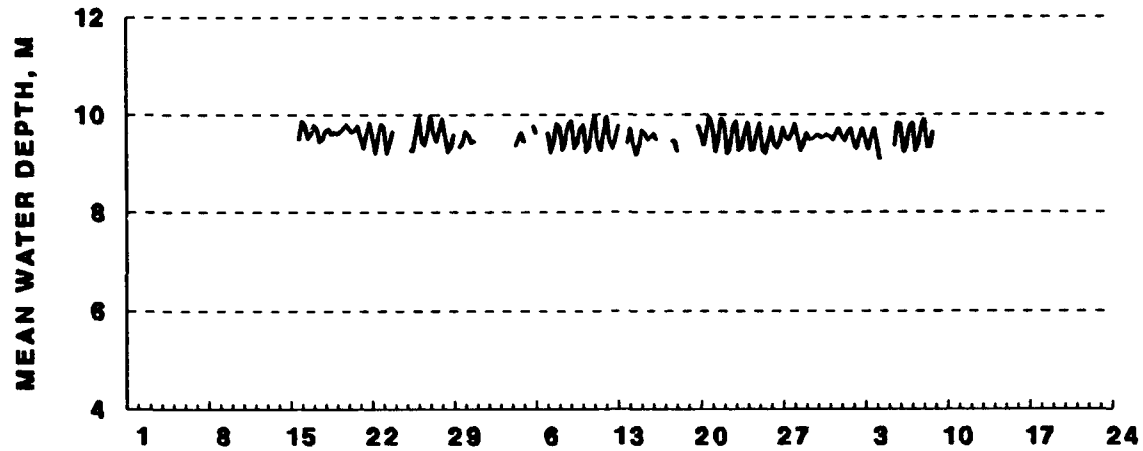
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



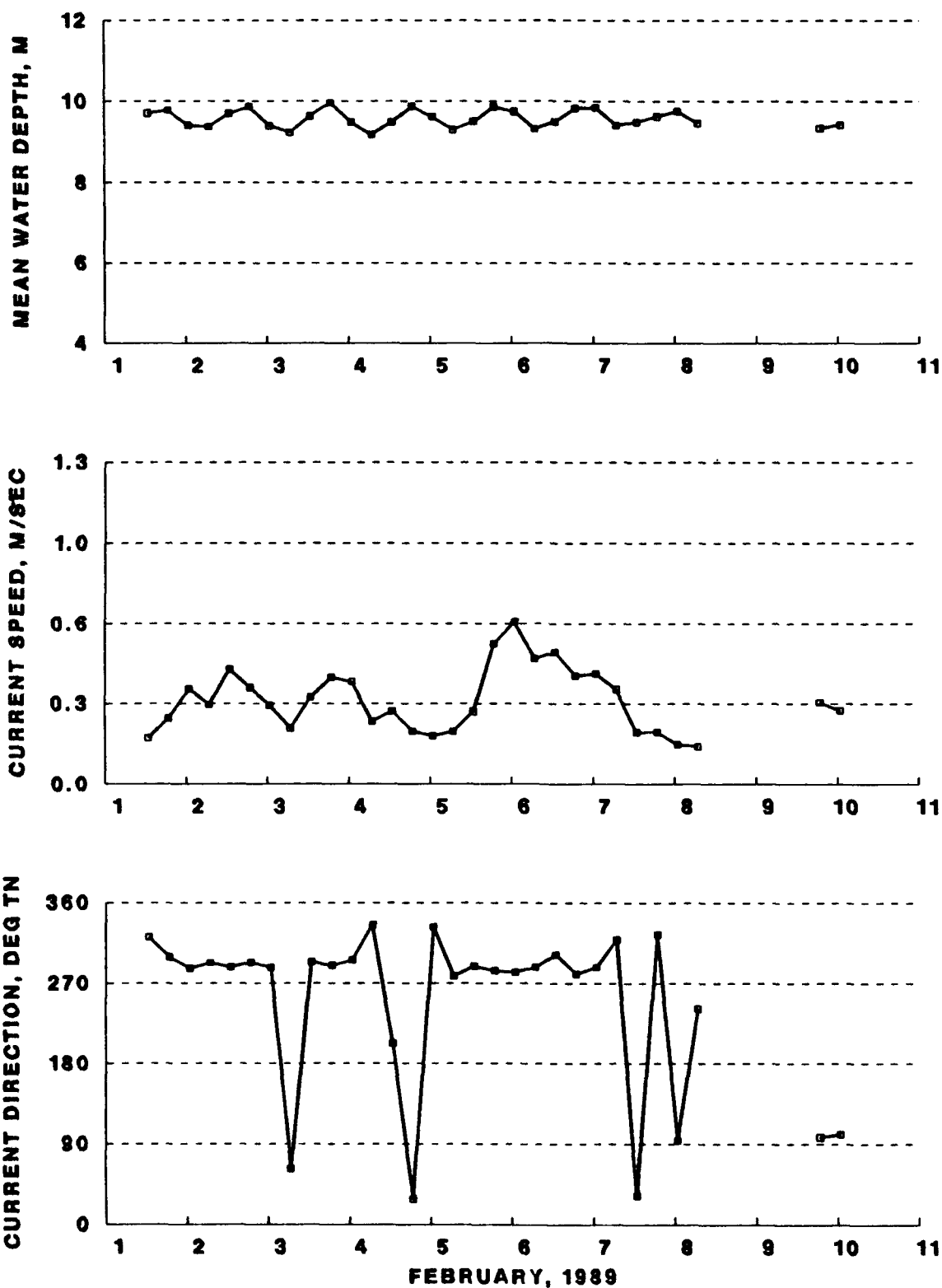
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



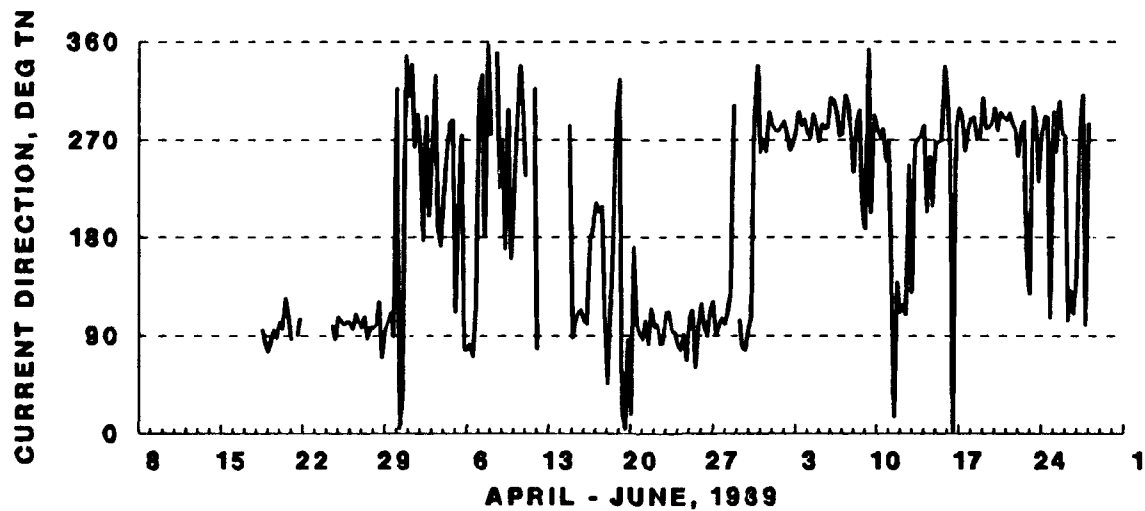
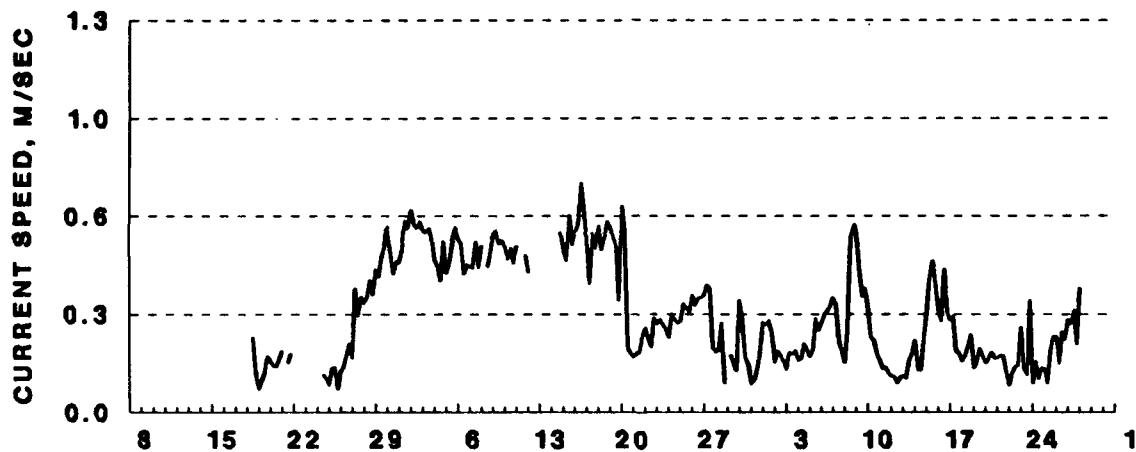
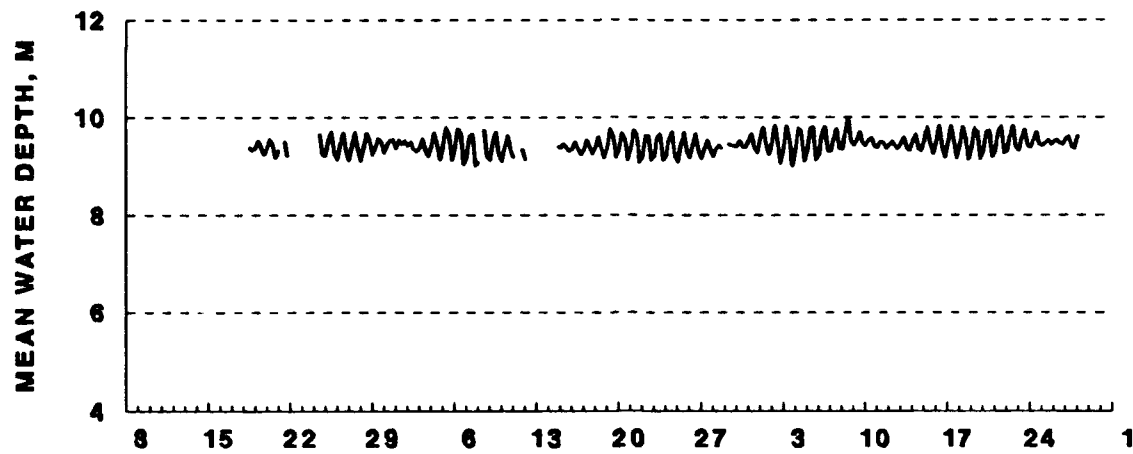
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



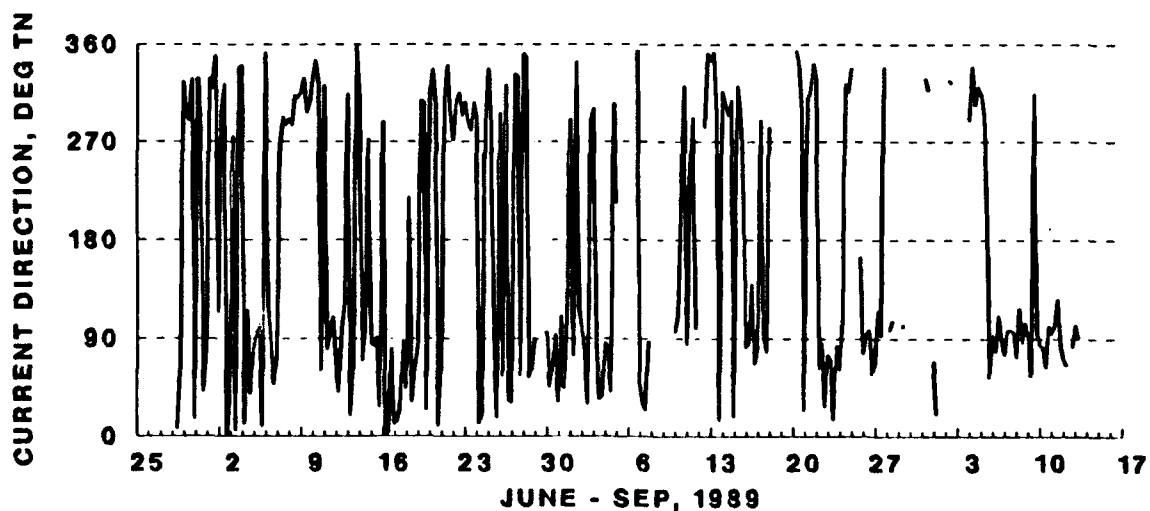
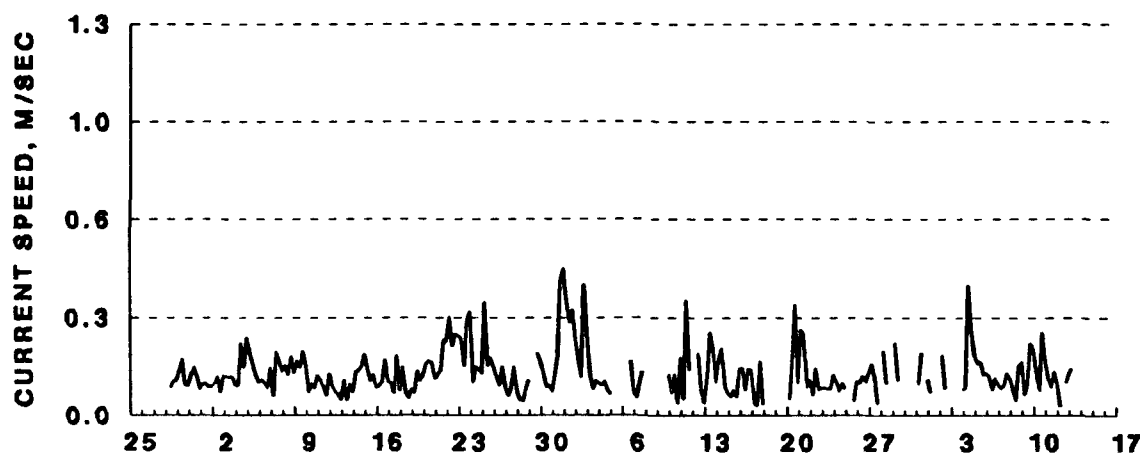
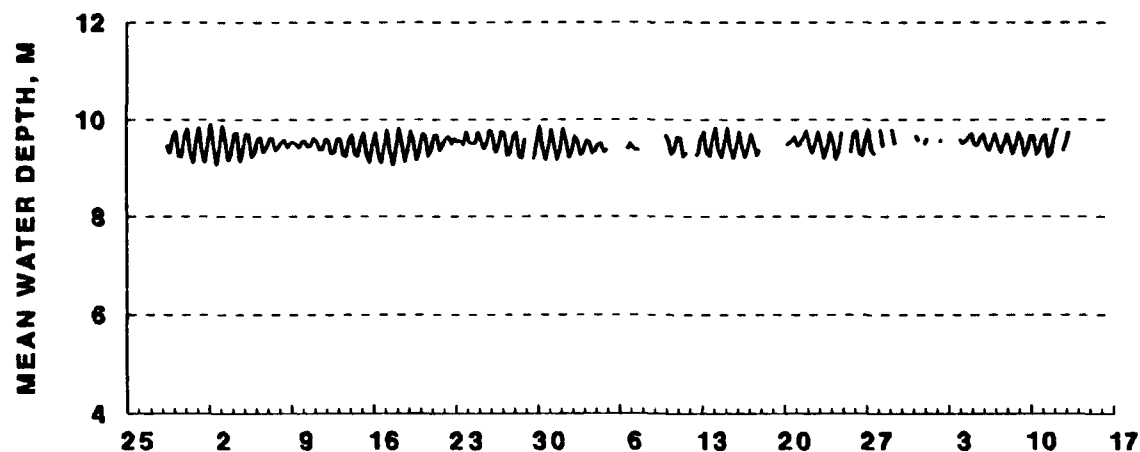
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



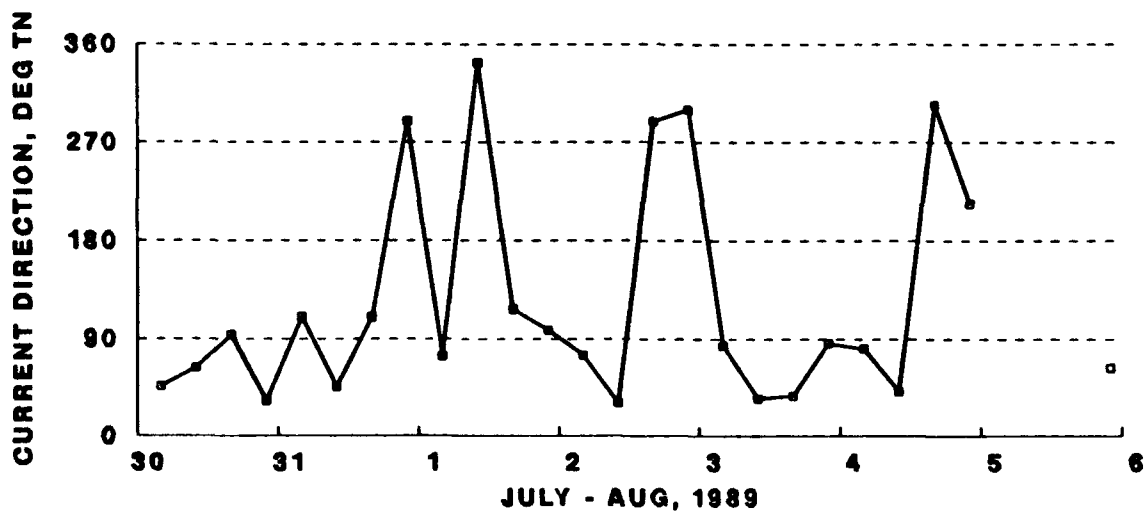
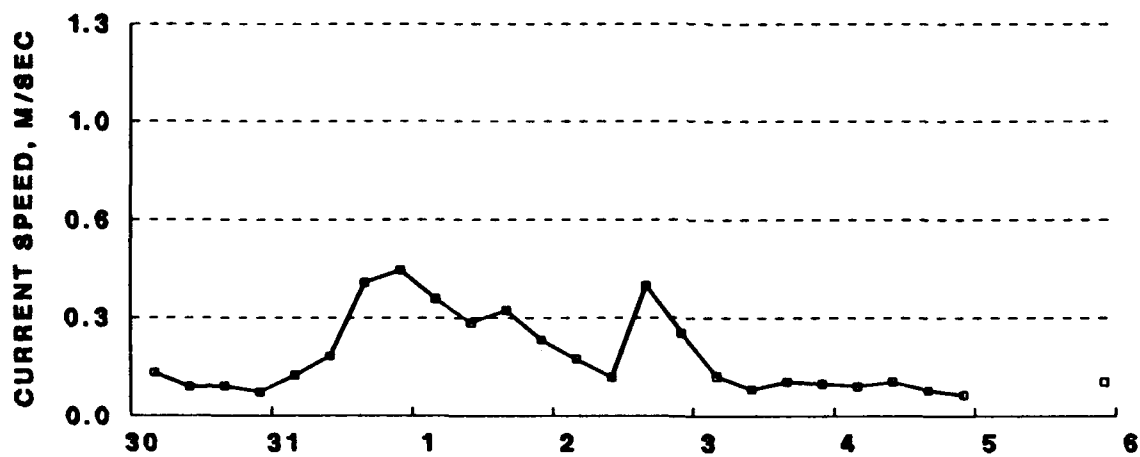
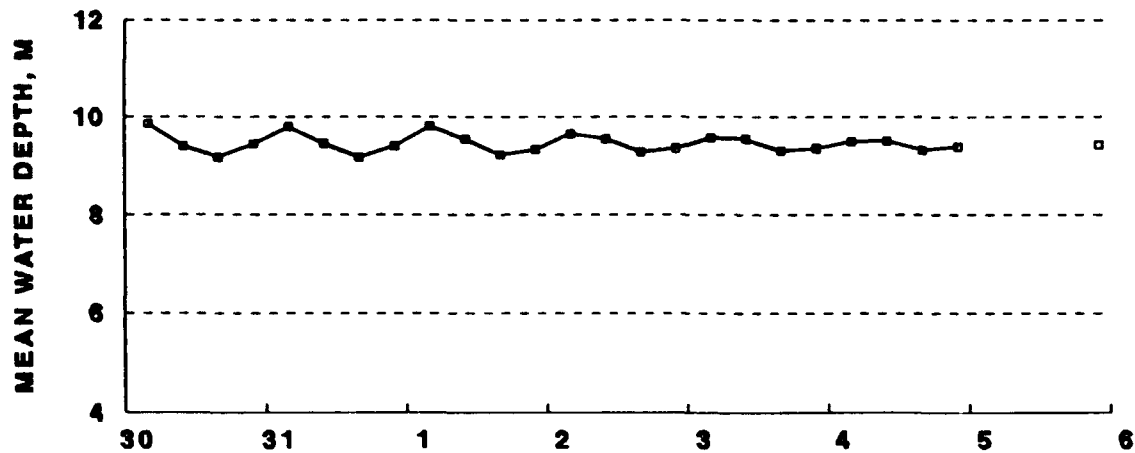
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



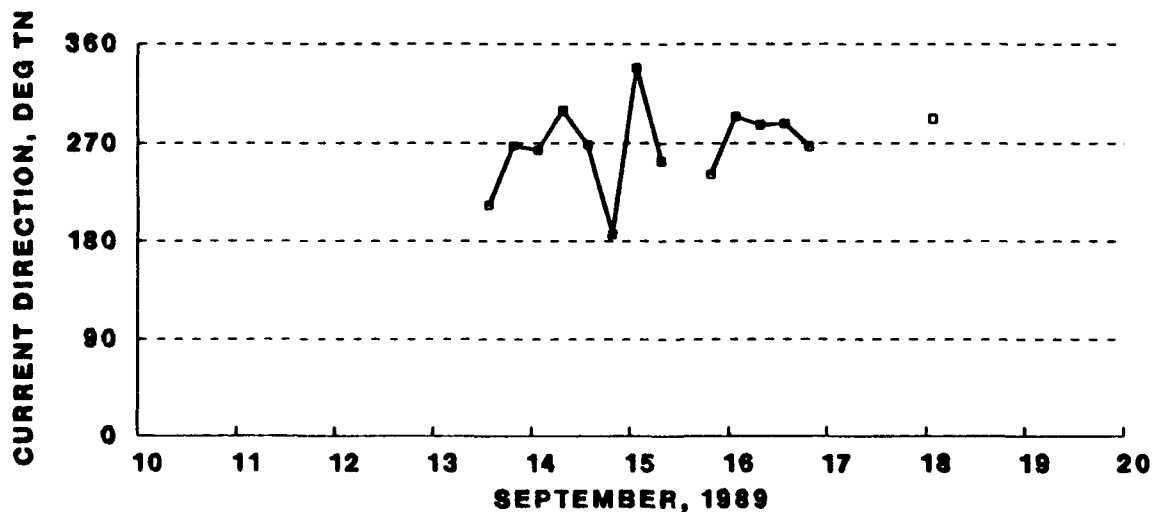
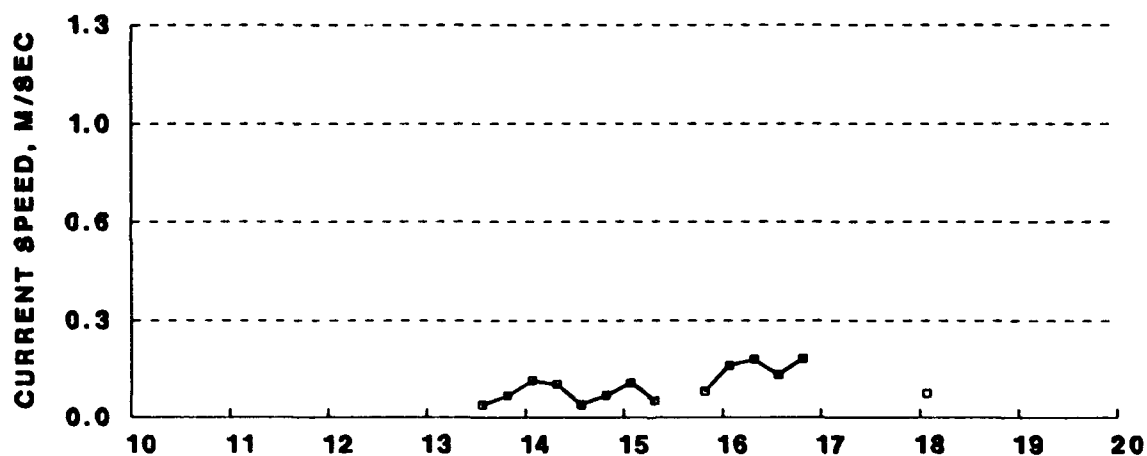
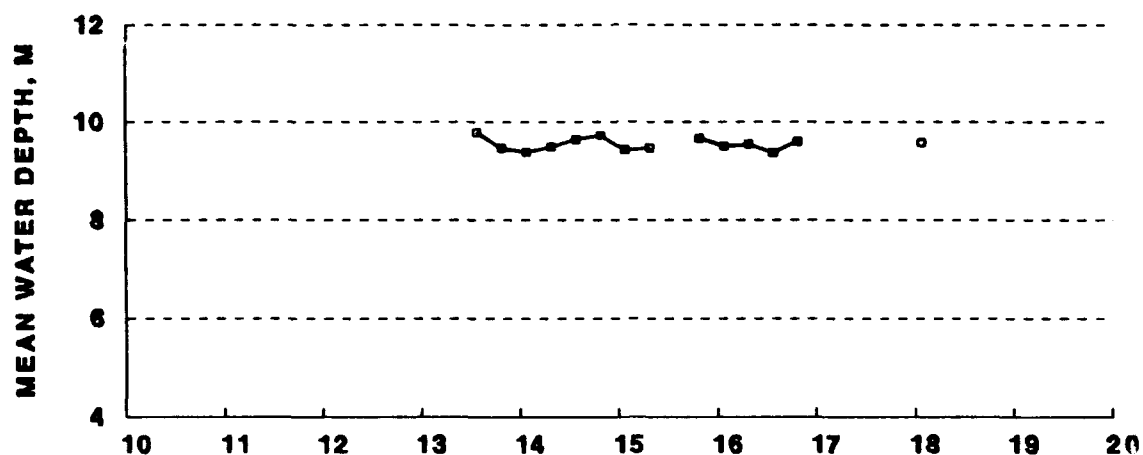
EAST PASS, DESTIN, FLORIDA OFF OKALOOSA PIER, GULF OF MEXICO



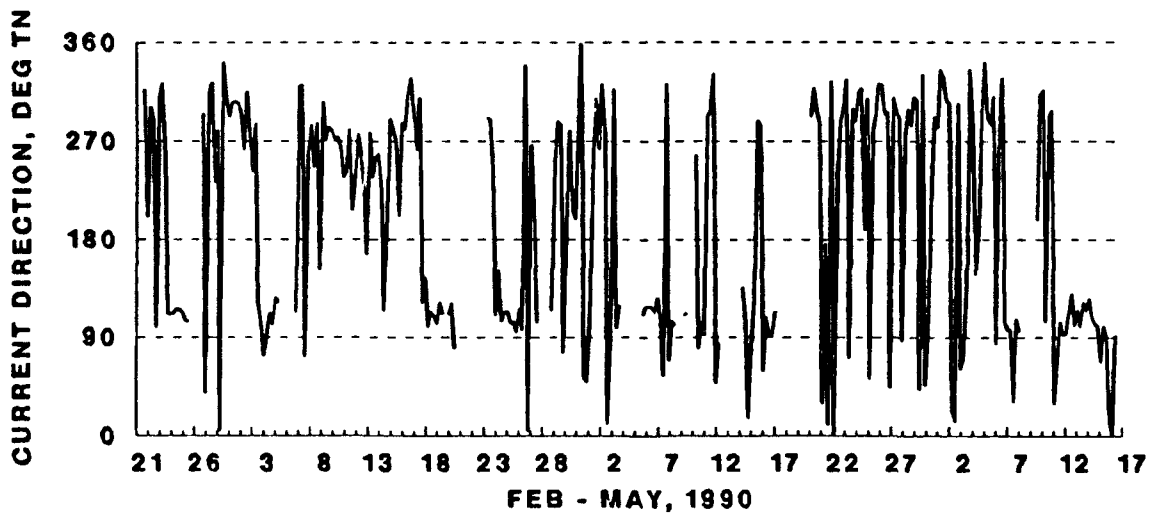
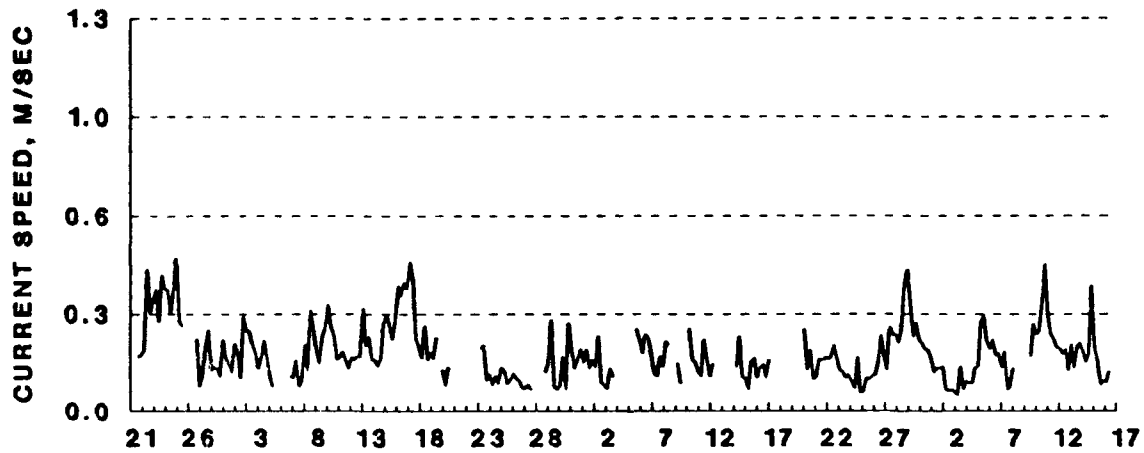
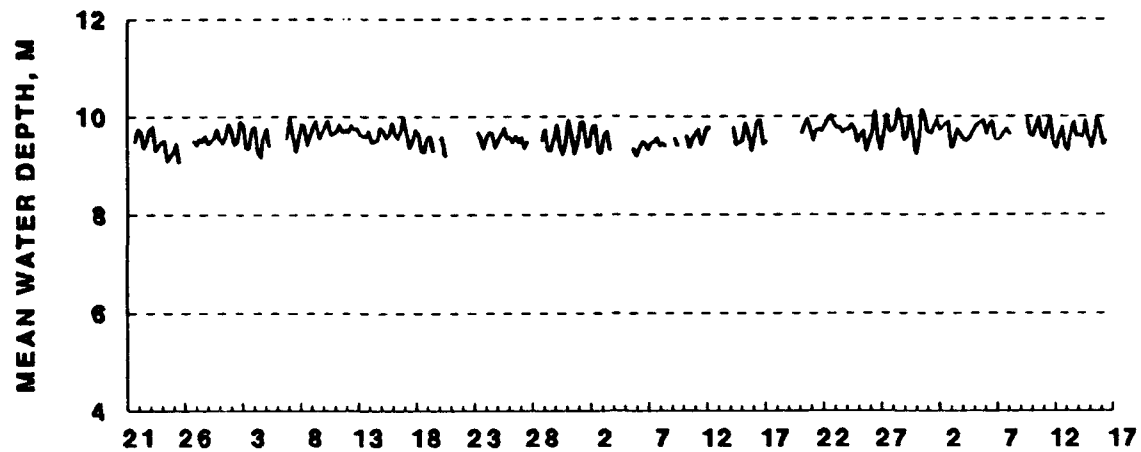
EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W

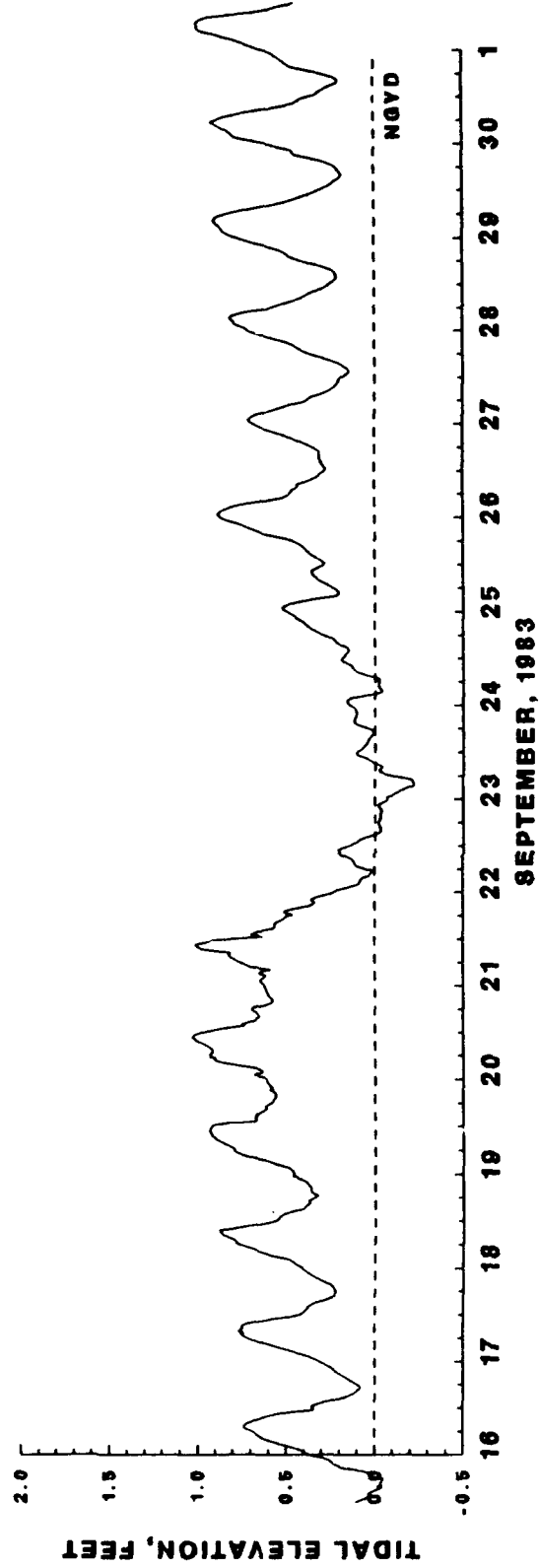
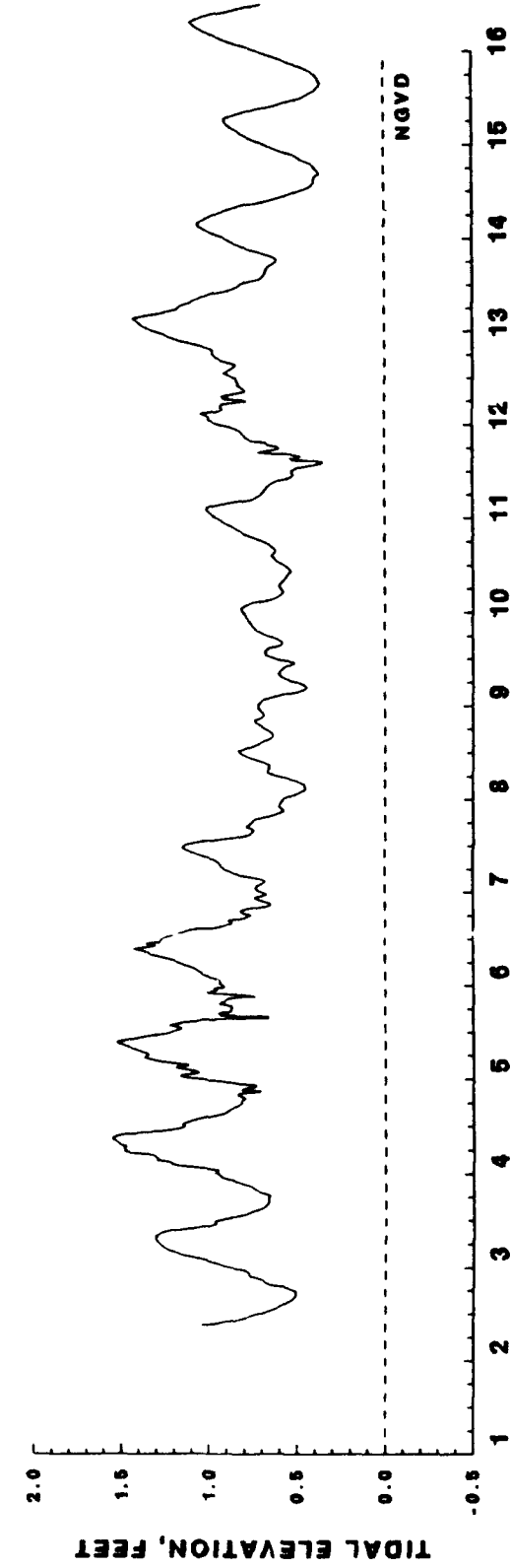


EAST PASS, DESTIN, FLORIDA
30°23'25" N; 86°35'38" W



Appendix F

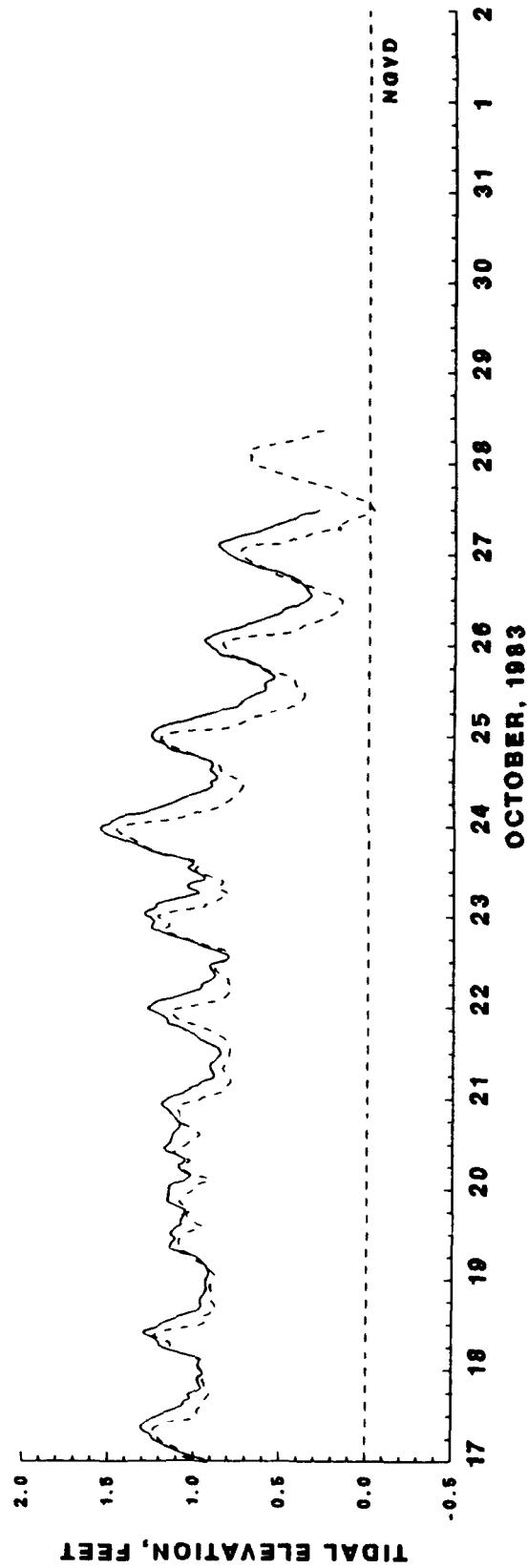
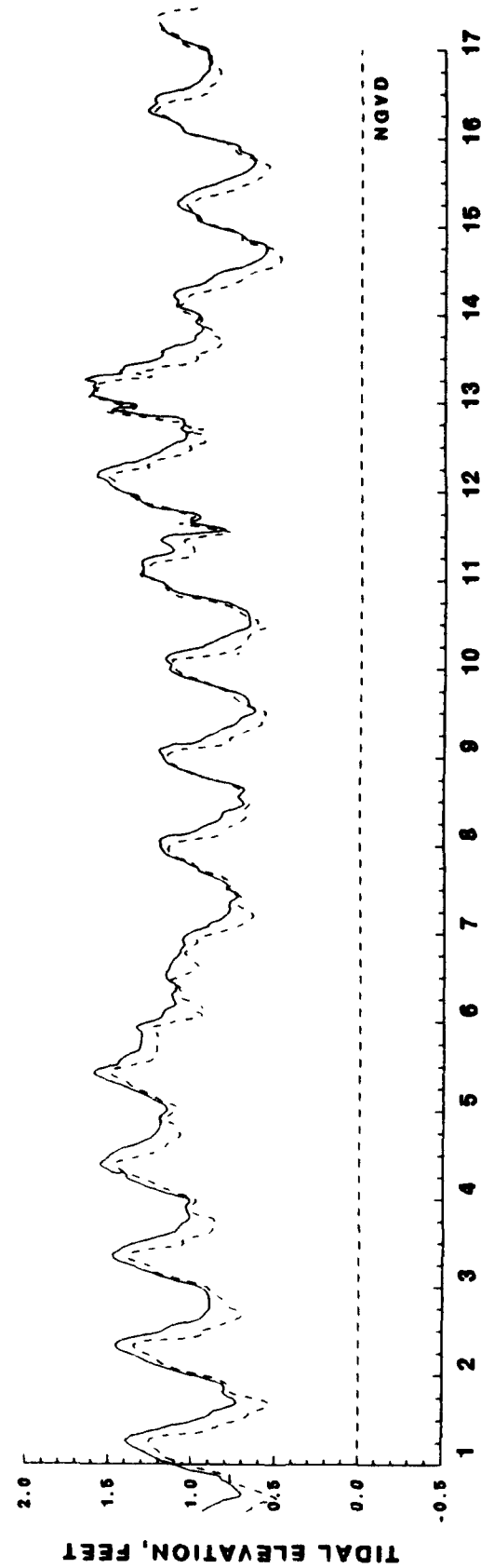
Tide Curves, Choctawhatchee Bay and Destin, Florida, September-November 1983



**TIDE STATIONS:
DESTIN, FLORIDA**

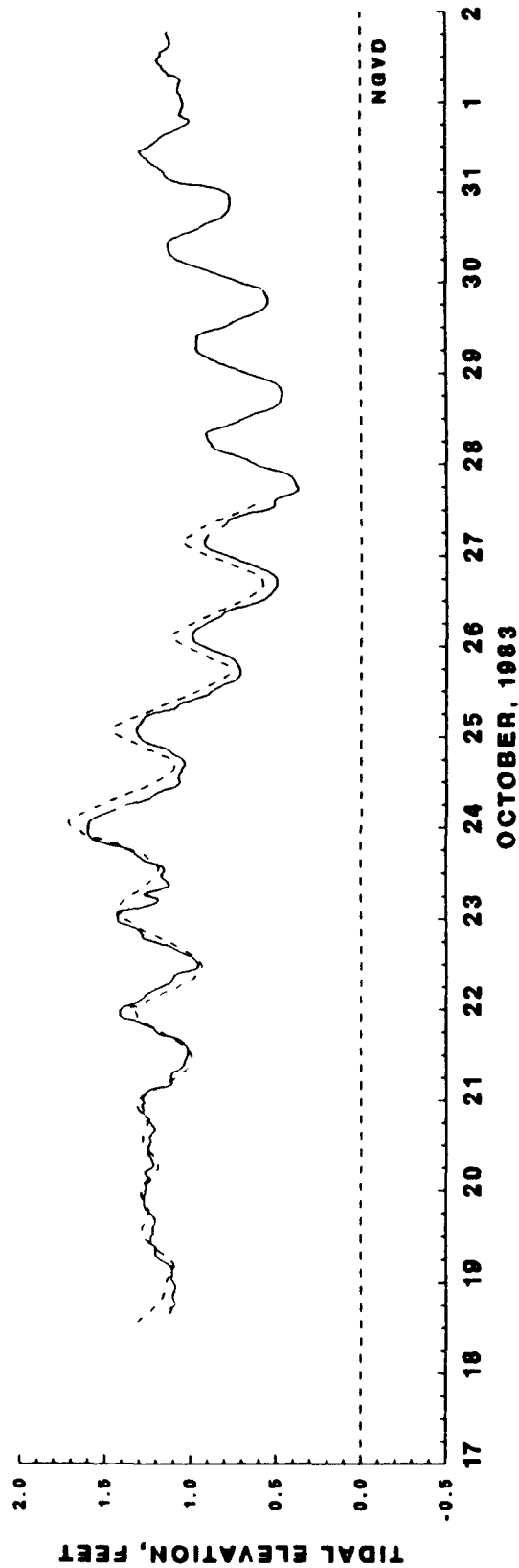
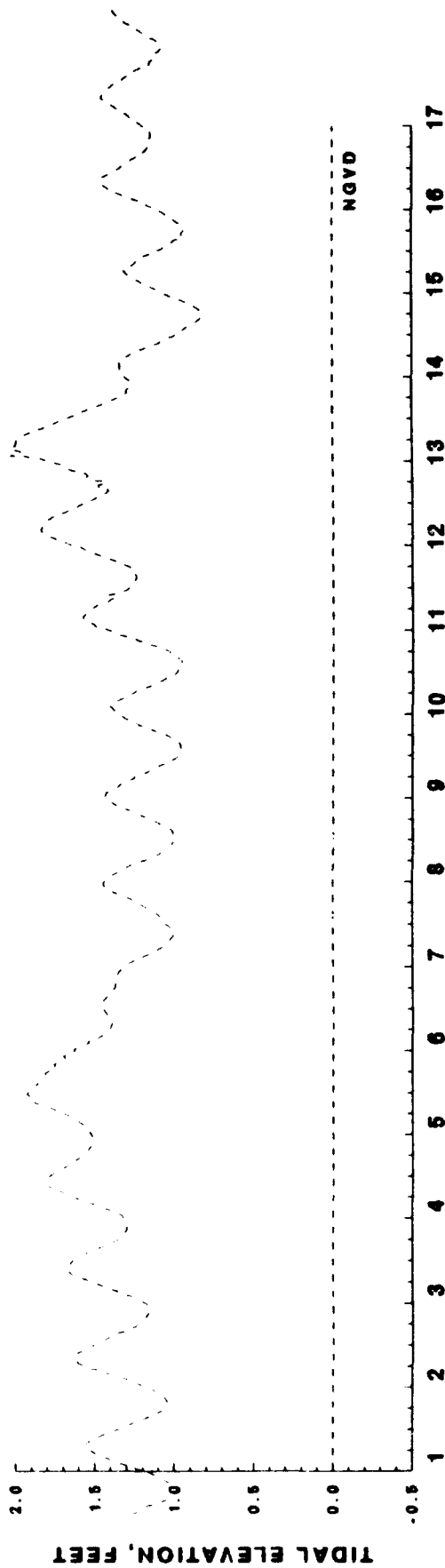
**EAST PASS, FLORIDA
1983 HYDRAULIC STUDY**

SEPTEMBER, 1983



TIDE STATIONS:
DESTIN COAST GUARD STATION
DESTIN, FLORIDA STATION

EAST PASS, FLORIDA **1983 HYDRAULIC STUDY**

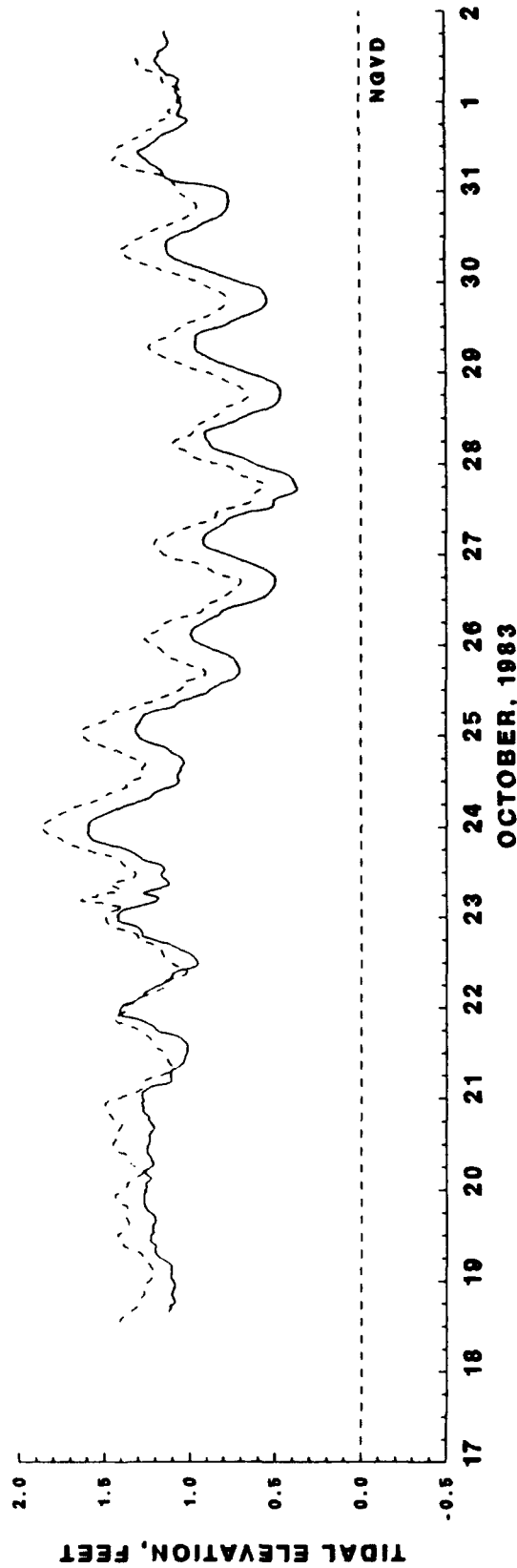
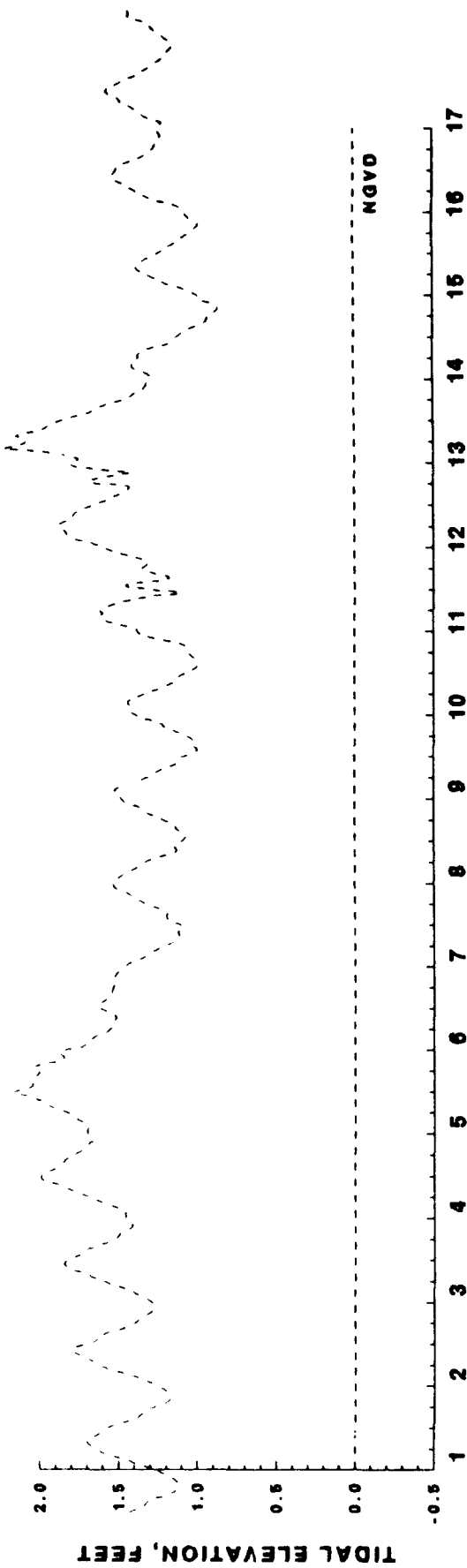


TIDE STATIONS:

BEACON 1, CHOCTAWHATCHEE BAY

BEACON 49, NEAR FOURMILE POINT

**EAST PASS, FLORIDA
1983 HYDRAULIC STUDY**

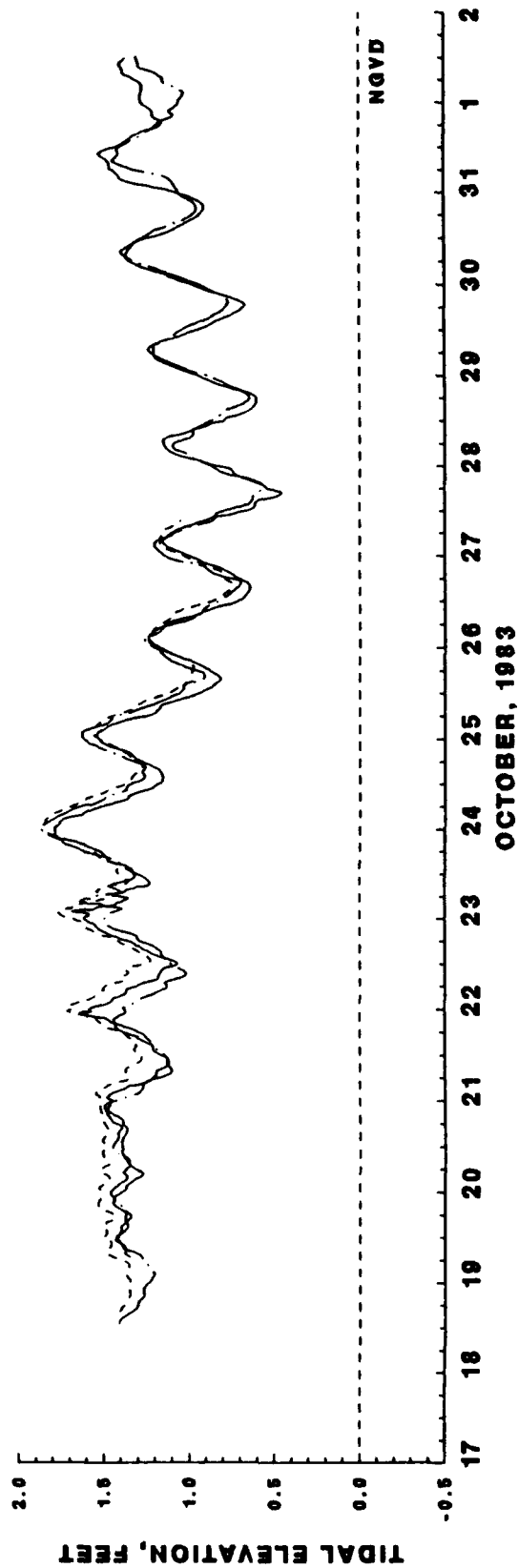
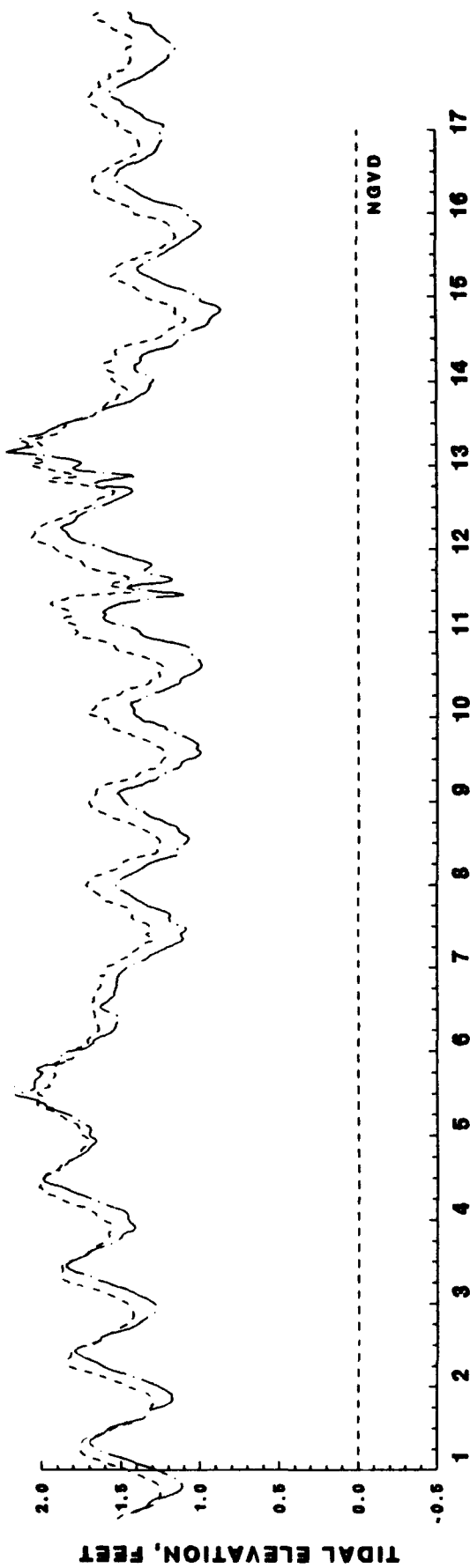


TIDE STATIONS:

BEACON 1, CHOCTAWHATCHEE BAY

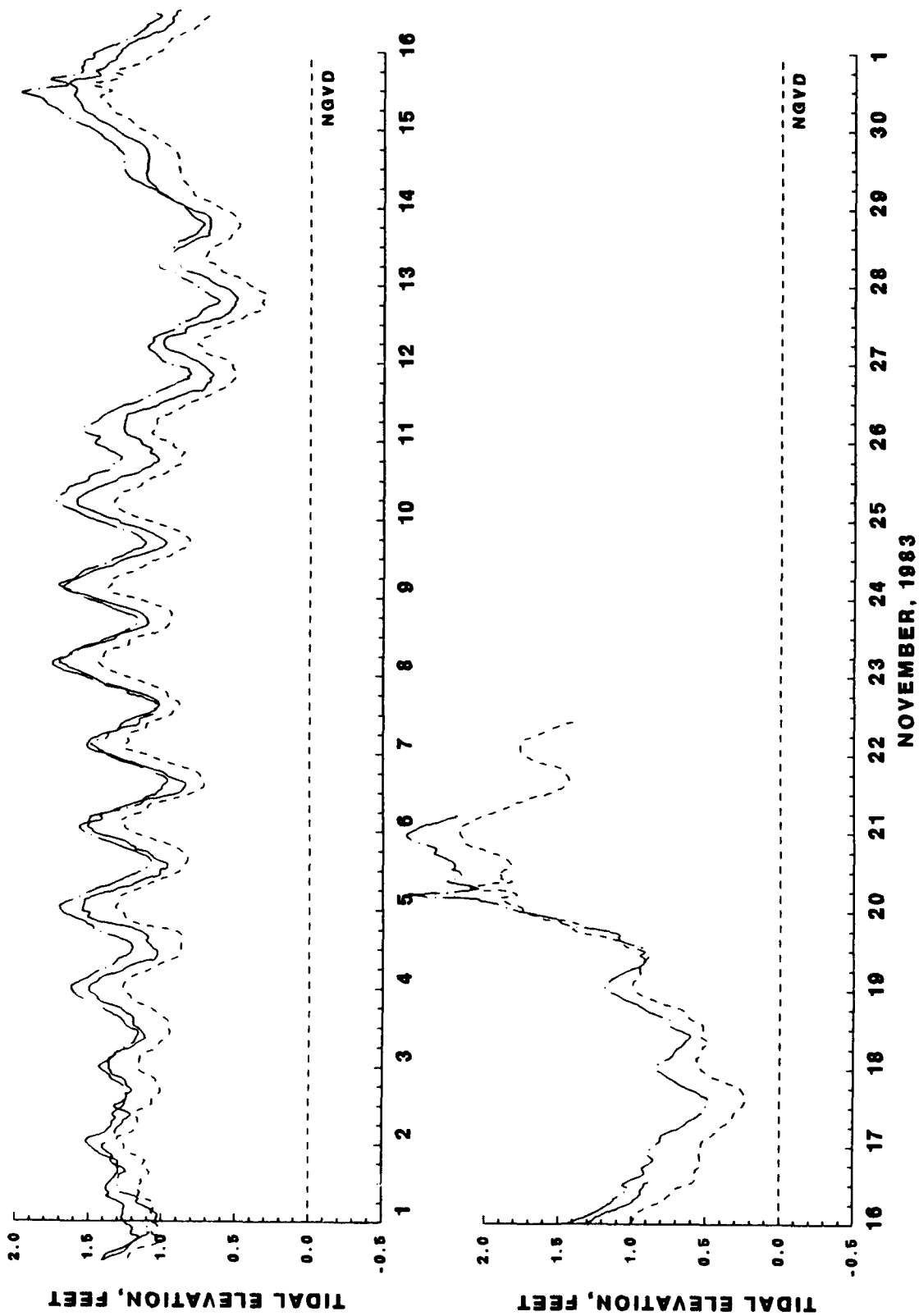
BEACON 46, NEAR ALLIGATOR POINT

EAST PASS, FLORIDA
1983 HYDRAULIC STUDY



TIDE STATIONS:
SANTA ROSA SOUND, FT. WALTON
BEACON 4, NEAR SHALIMAR
BEACON 46, NEAR ALLIGATOR POINT

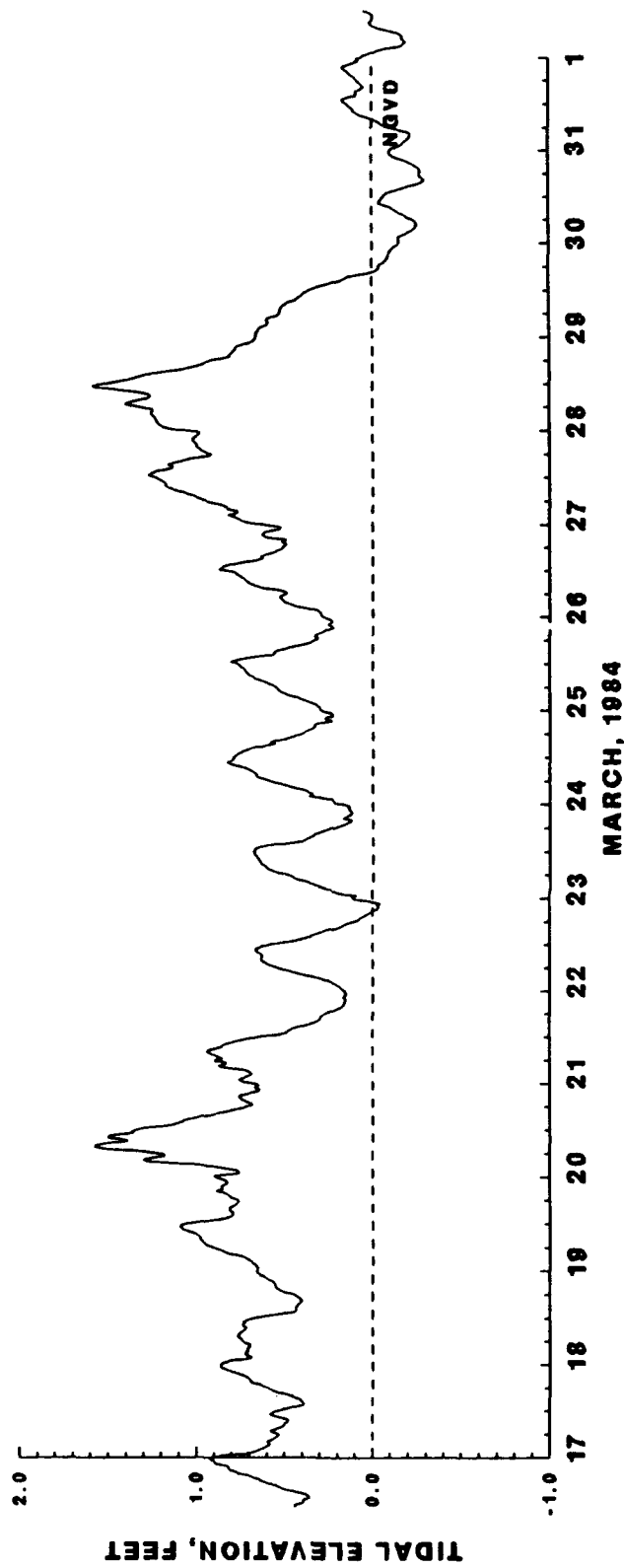
EAST PASS, FLORIDA
1983 HYDRAULIC STUDY



TIDE STATIONS:
SANTA ROSA SOUND, FT. WALTON
BEACON 1, CHOCTAWHATCHEE BAY
BEACON 46, NEAR ALLIGATOR POINT

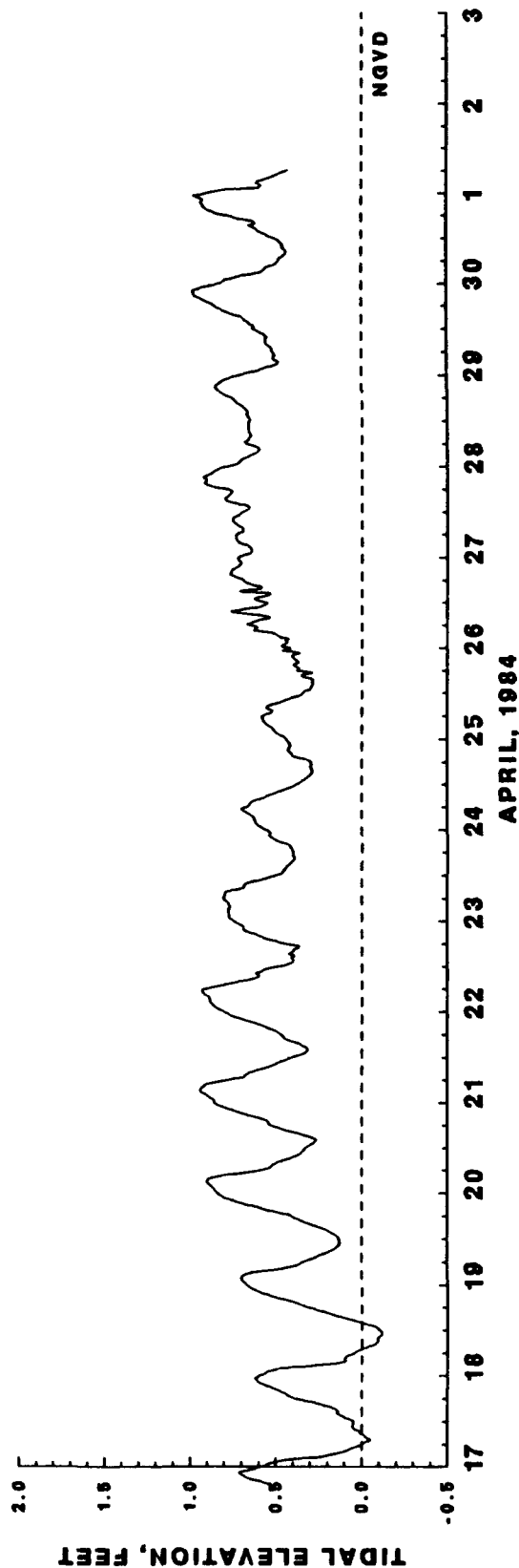
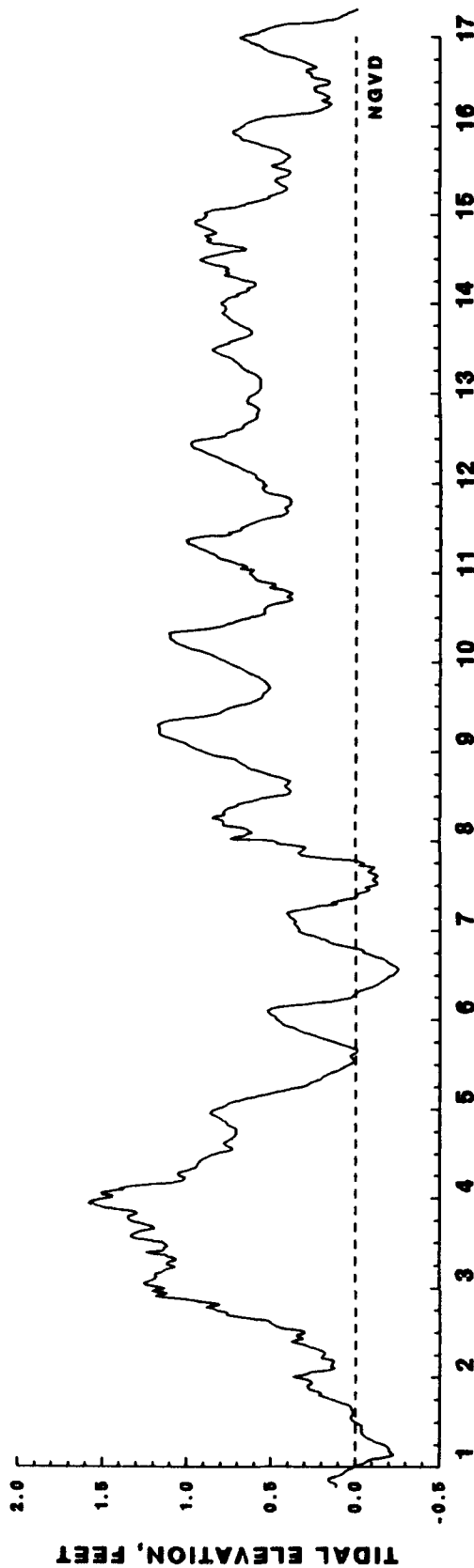
EAST PASS, FLORIDA
1983 HYDRAULIC STUDY

Appendix G
Tide Curves, Choctawhatchee
Bay and Destin, Florida,
March-June 1984



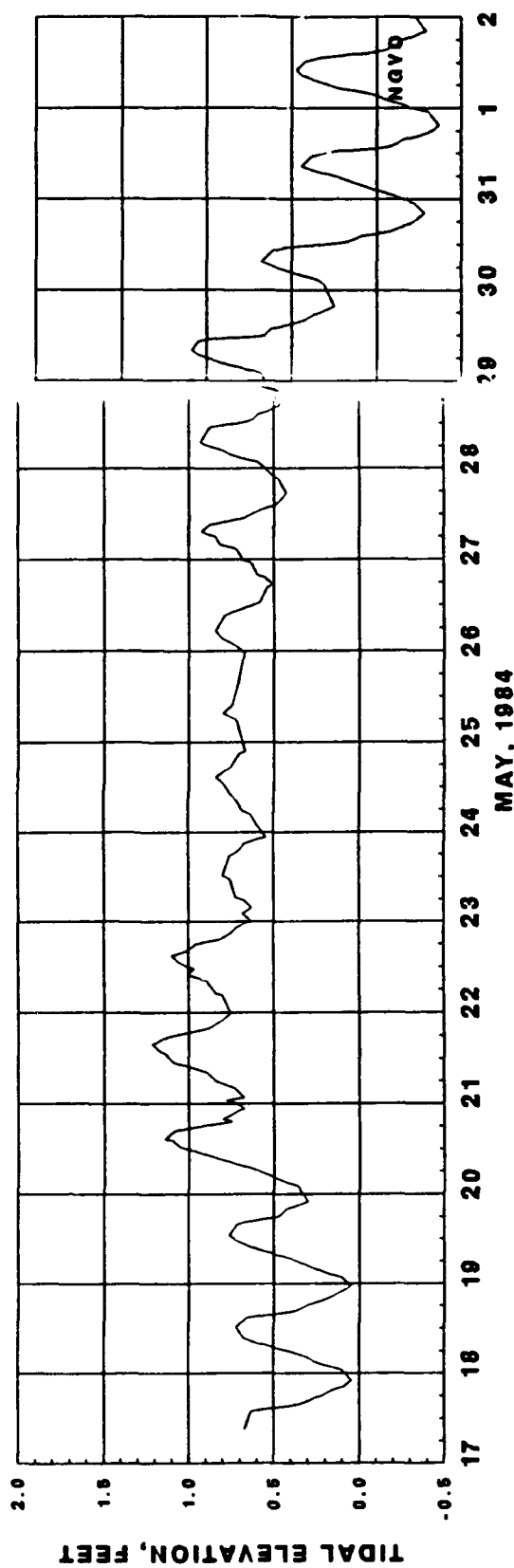
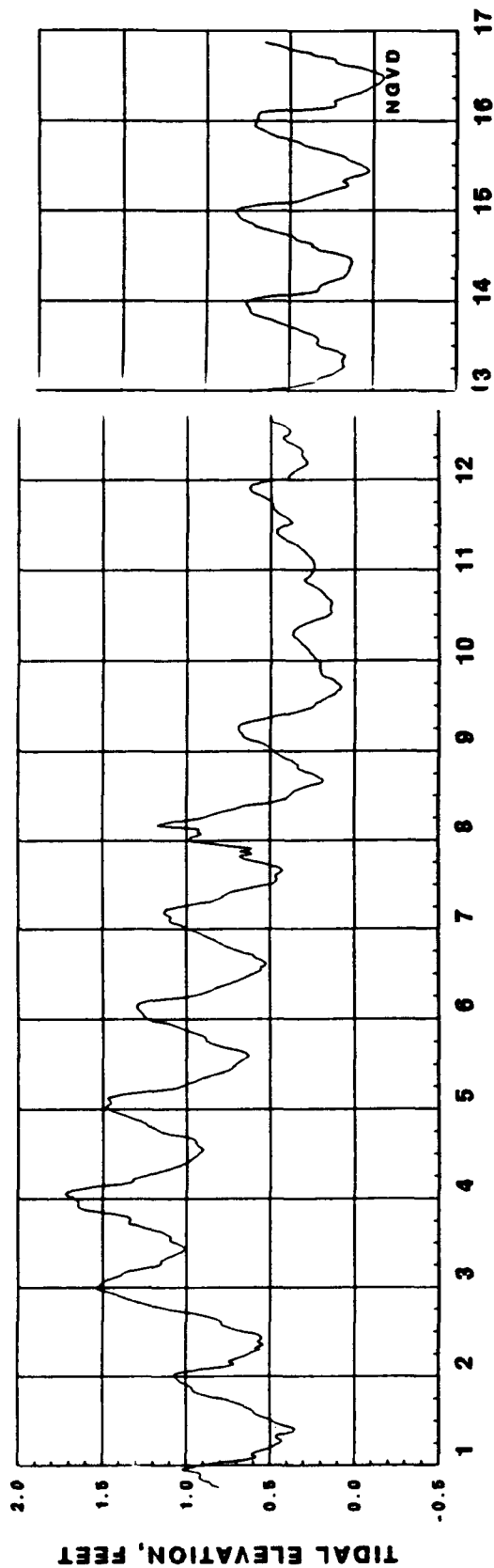
TIDE STATIONS:
DESTIN, FLORIDA, STATION

EAST PASS, FLORIDA
1984 HYDRAULIC STUDY



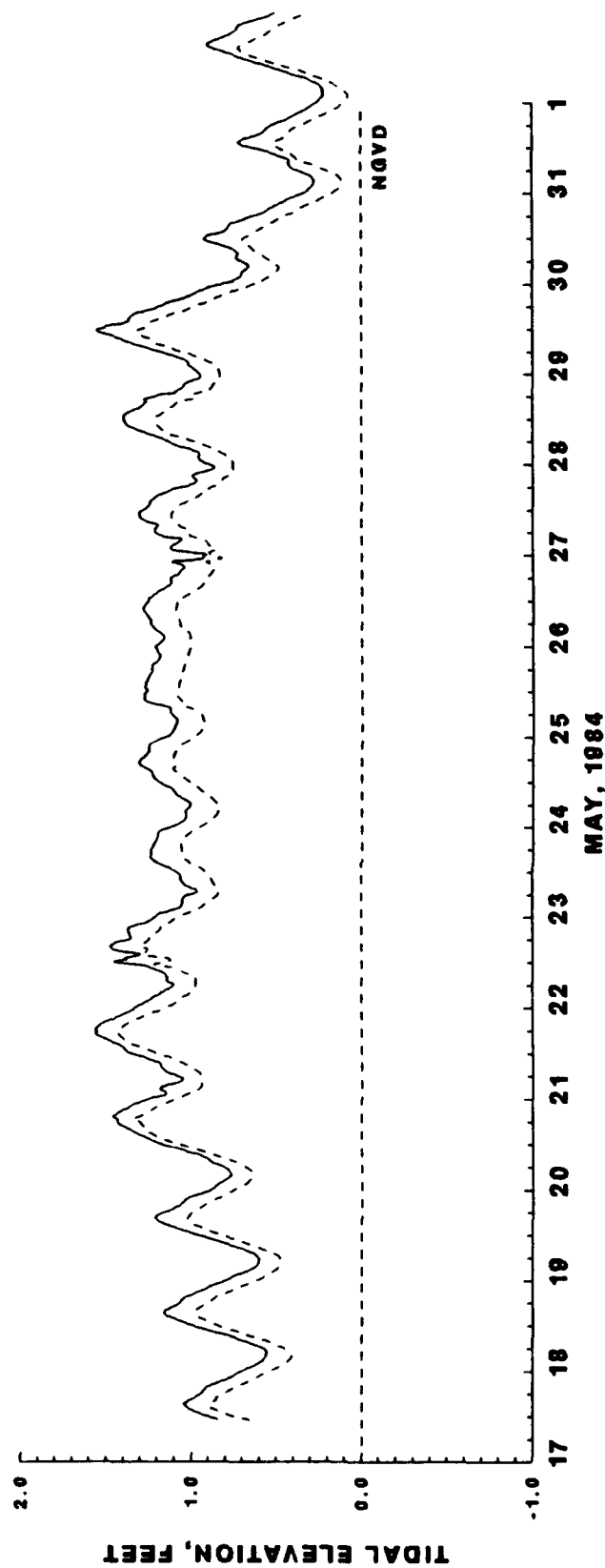
TIDE STATIONS:
DESTIN, FLORIDA STATION

EAST PASS, FLORIDA
1984 HYDRAULIC STUDY



**EAST PASS, FLORIDA
1984 HYDRAULIC STUDY**

**TIDE STATIONS:
DESTIN, FLORIDA STATION**

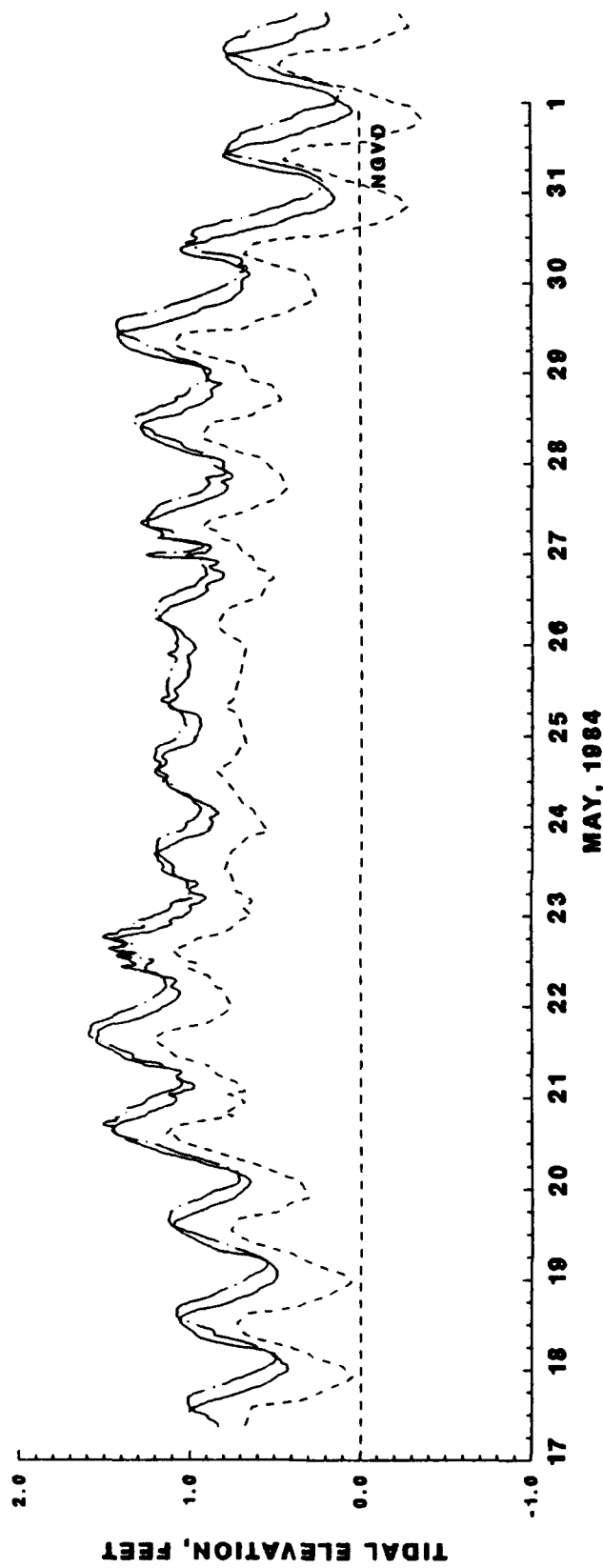


TIDE STATIONS:

BEACON 46, NEAR BASCULE BRIDGE

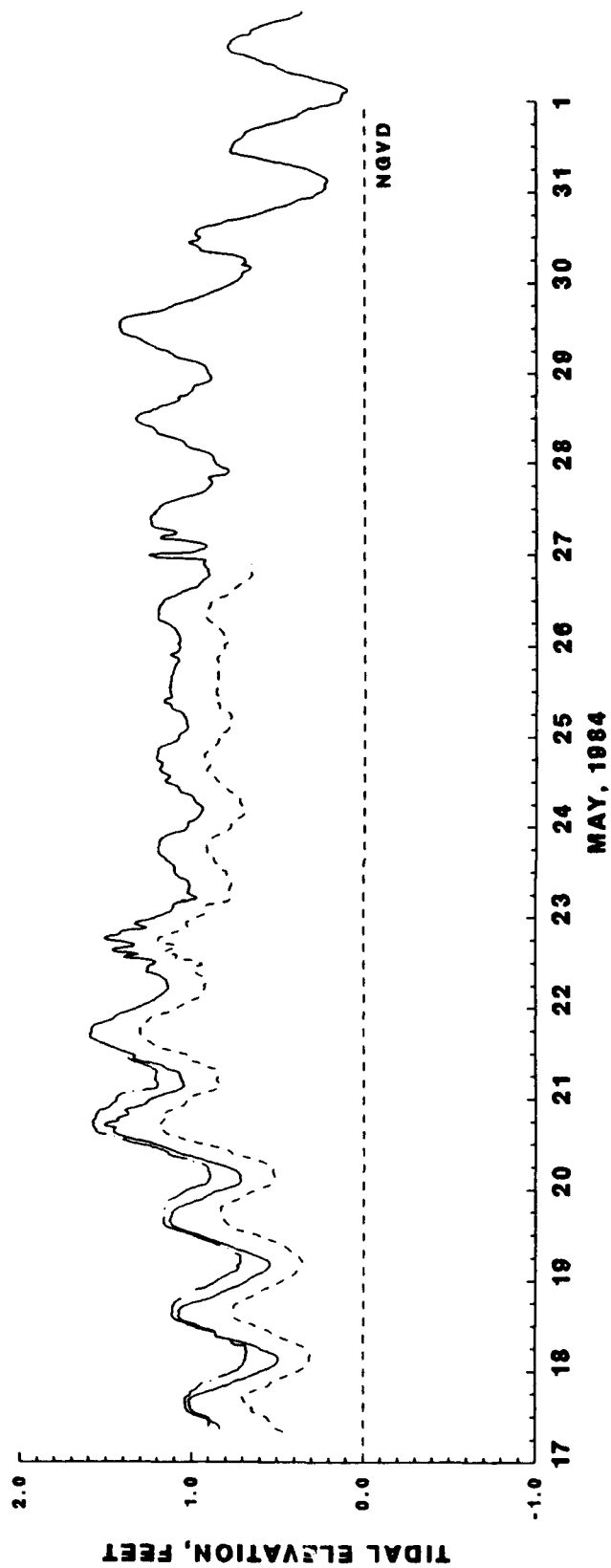
BEACON 49, NEAR FOURMILE POINT

**EAST PASS, FLORIDA
1984 HYDRAULIC STUDY**



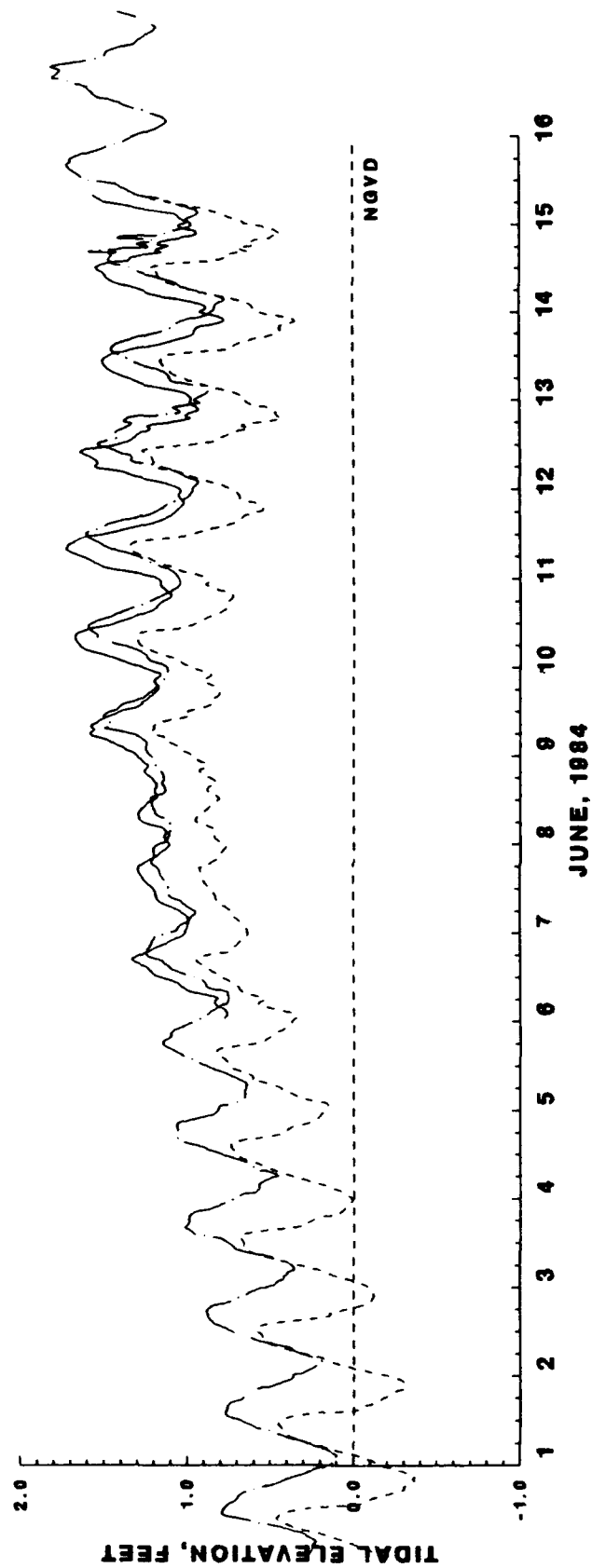
TIDE STATIONS:
DESTIN COAST GUARD STATION
DESTIN, FLORIDA STATION
SANTA ROSA SOUND, FT. WALTON

EAST PASS, FLORIDA
1984 HYDRAULIC STUDY



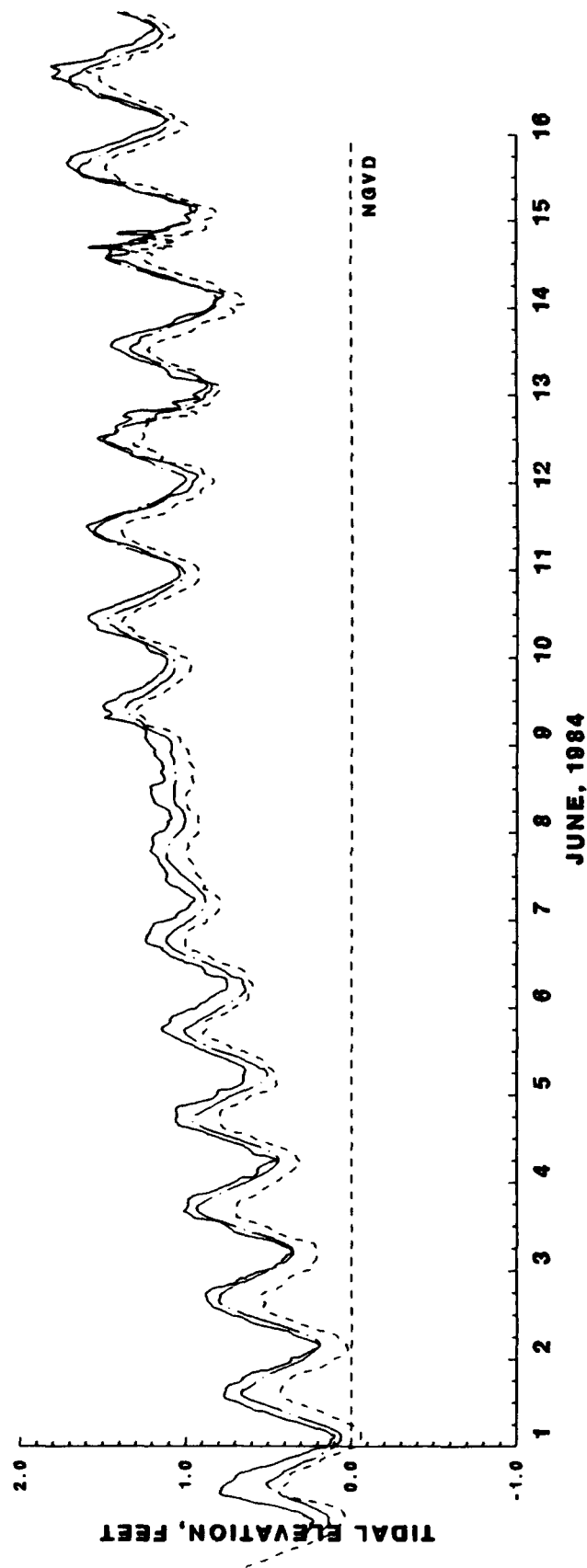
TIDE STATIONS:
SANTA ROSA SOUND, FT. WALTON
BEACON 1, CHAOCTAWHATCHEE BAY
BEACON 4, NEAR SHALIMAR

EAST PASS, FLORIDA
1984 HYDRAULIC STUDY



**EAST PASS, FLORIDA
1984 HYDRAULIC STUDY**

TIDE STATIONS:
DESTIN COAST GUARD STATION
DESTIN, FLORIDA STATION
SANTA ROSA SOUND, FT. WALTON



TIDE STATIONS:

SANTA ROSA SOUND, FT. WALTON

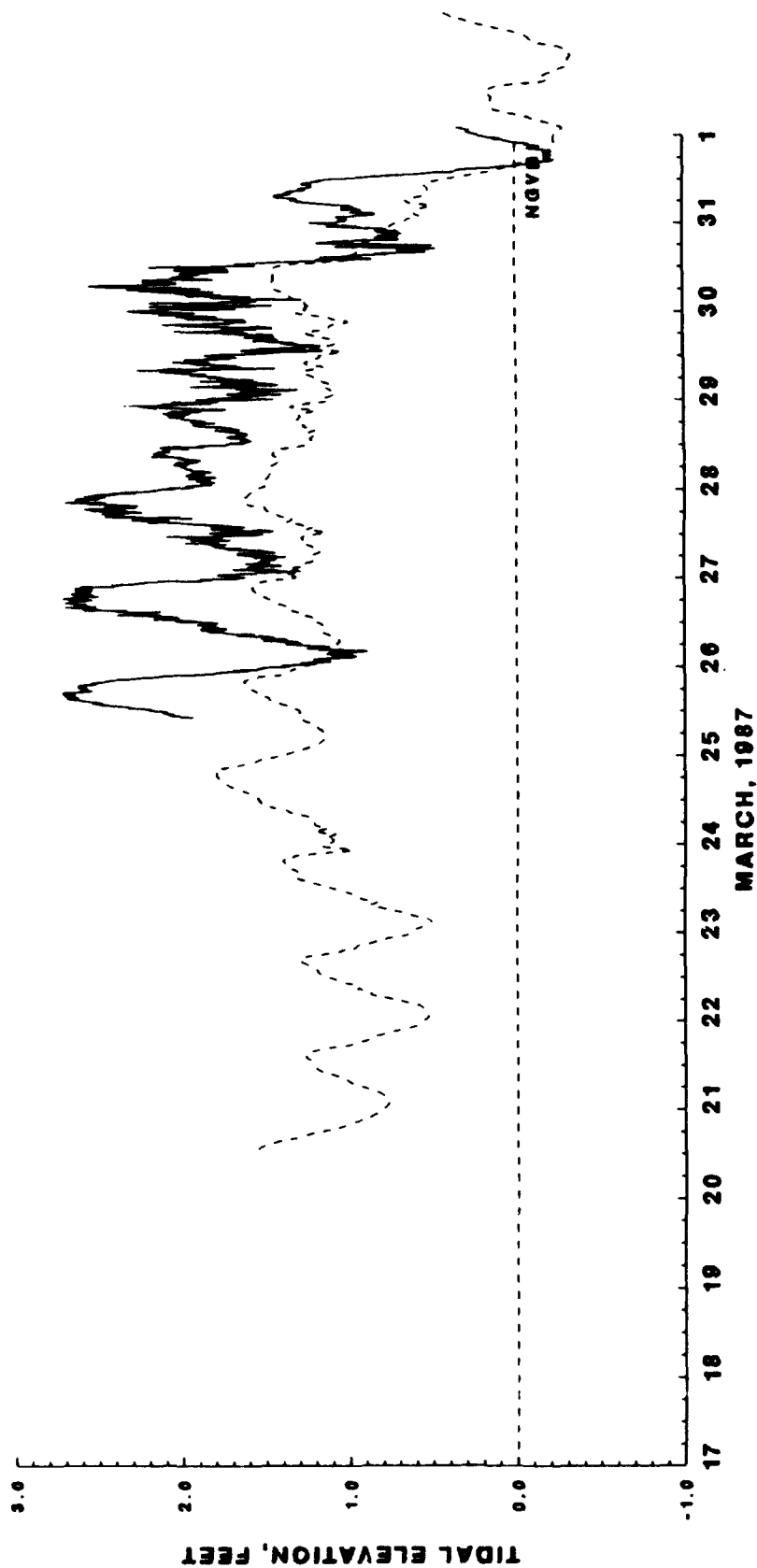
BEACON 1, CHOCTAWHATCHEE BAY

BEACON 49, NEAR FOURMILE POINT

**EAST PASS, FLORIDA
1984 HYDRAULIC STUDY**

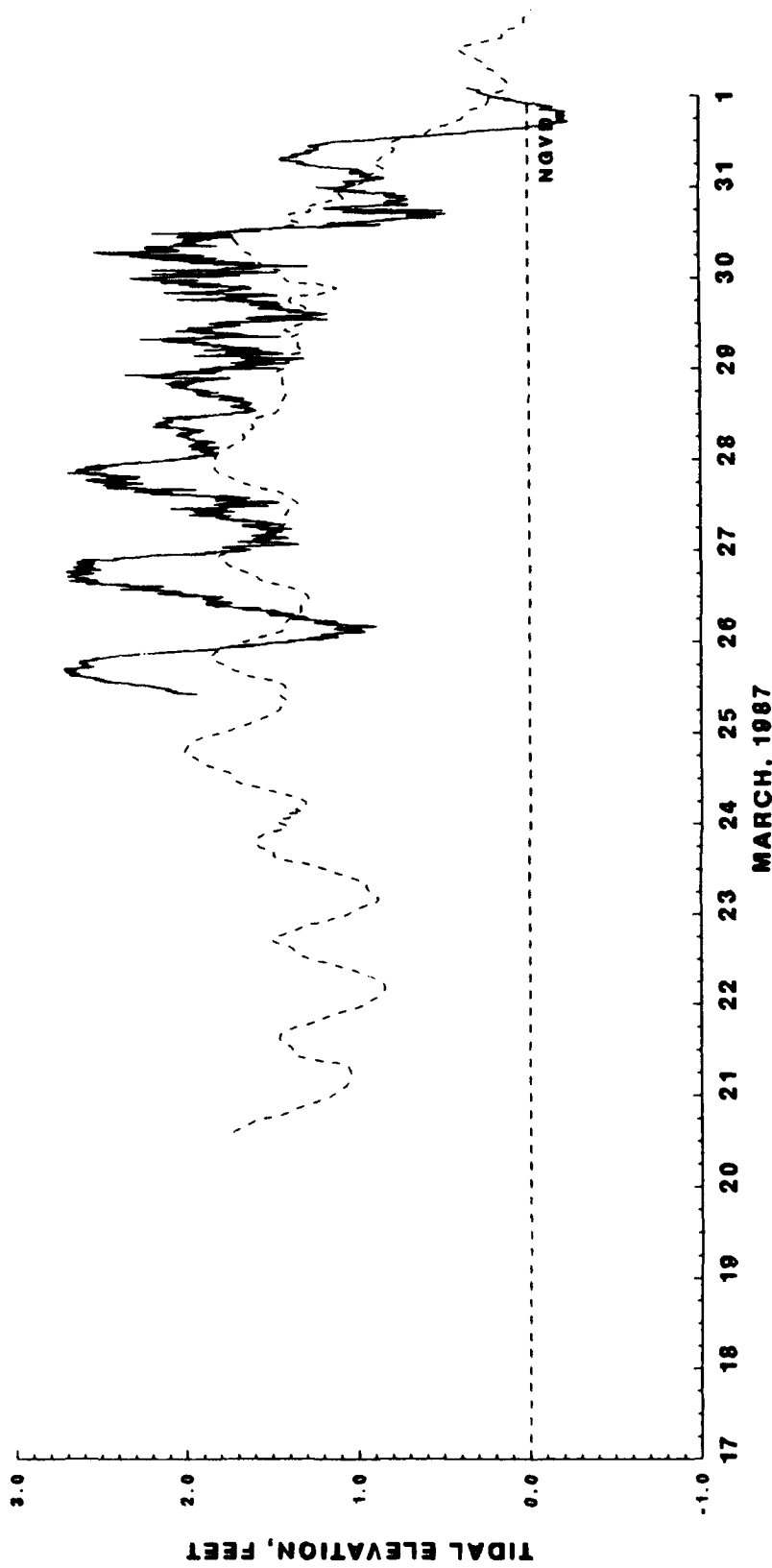
Appendix H

Tide Curves, Gulf of Mexico, Choctawhatchee Bay and Destin, Florida, March-May 1987



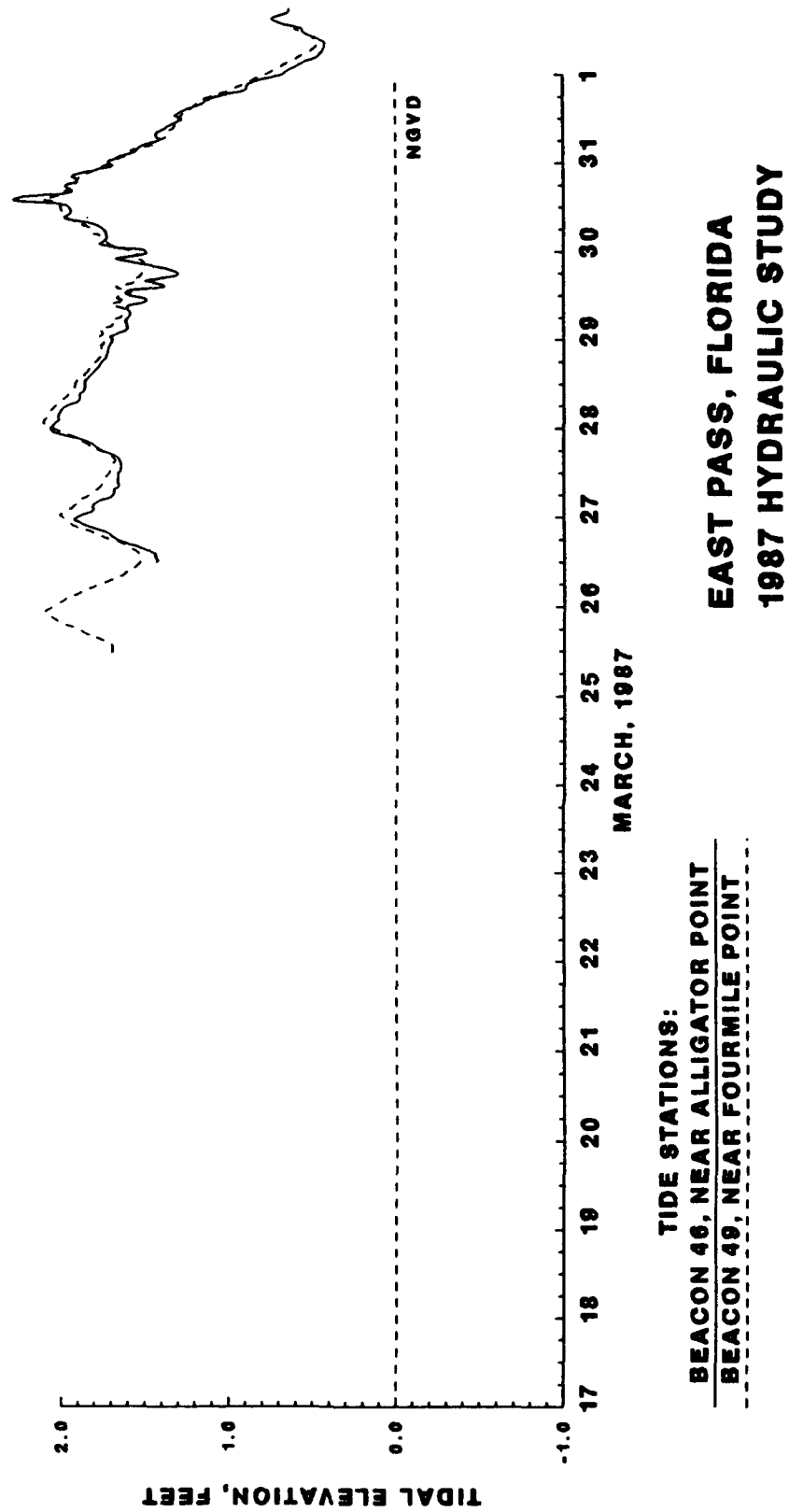
TIDE STATIONS:
OKALOOSA PIER, GULF OF MEXICO
DESTIN, FLORIDA STATION

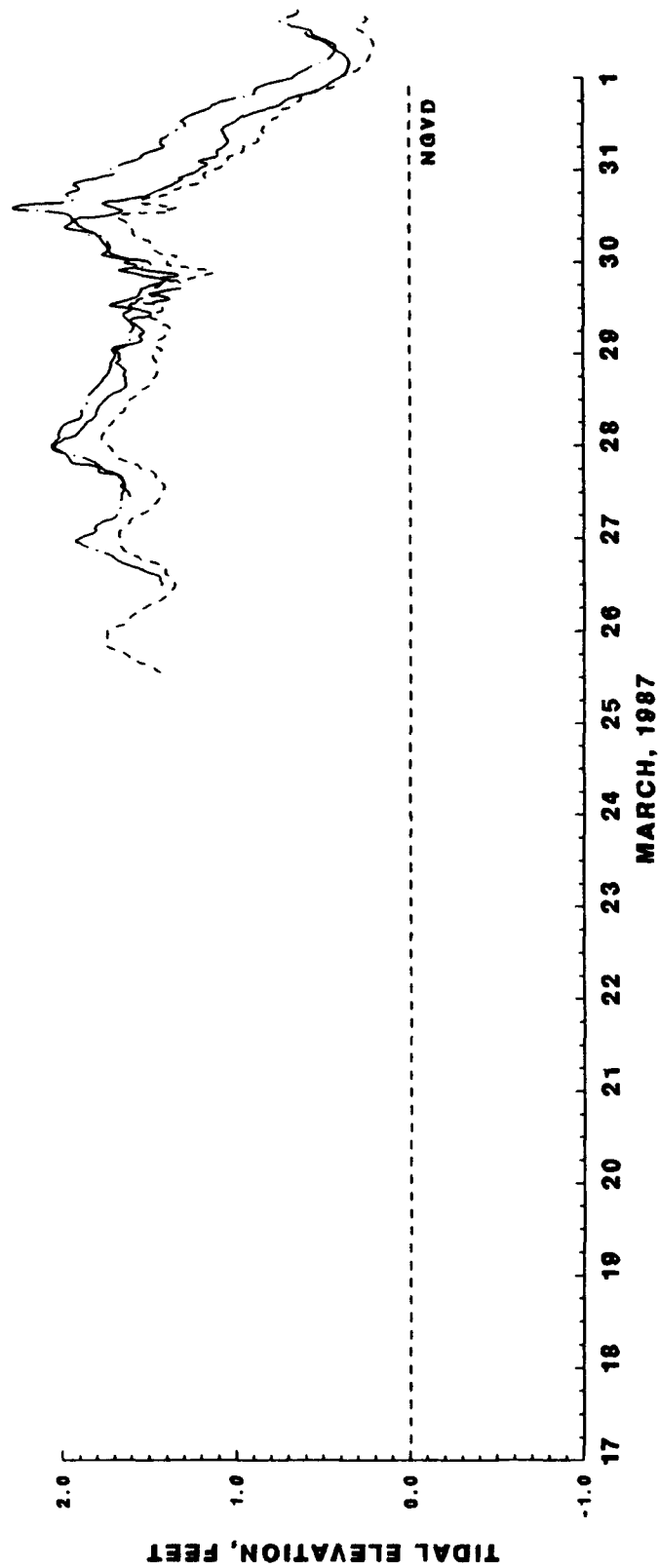
EAST PASS, FLORIDA
1987 HYDRAULIC STUDY



TIDE STATIONS:
OKALOOSA PIER, GULF OF MEXICO
DESTIN COAST GUARD STATION

EAST PASS, FLORIDA
1987 HYDRAULIC STUDY





TIDE STATIONS:

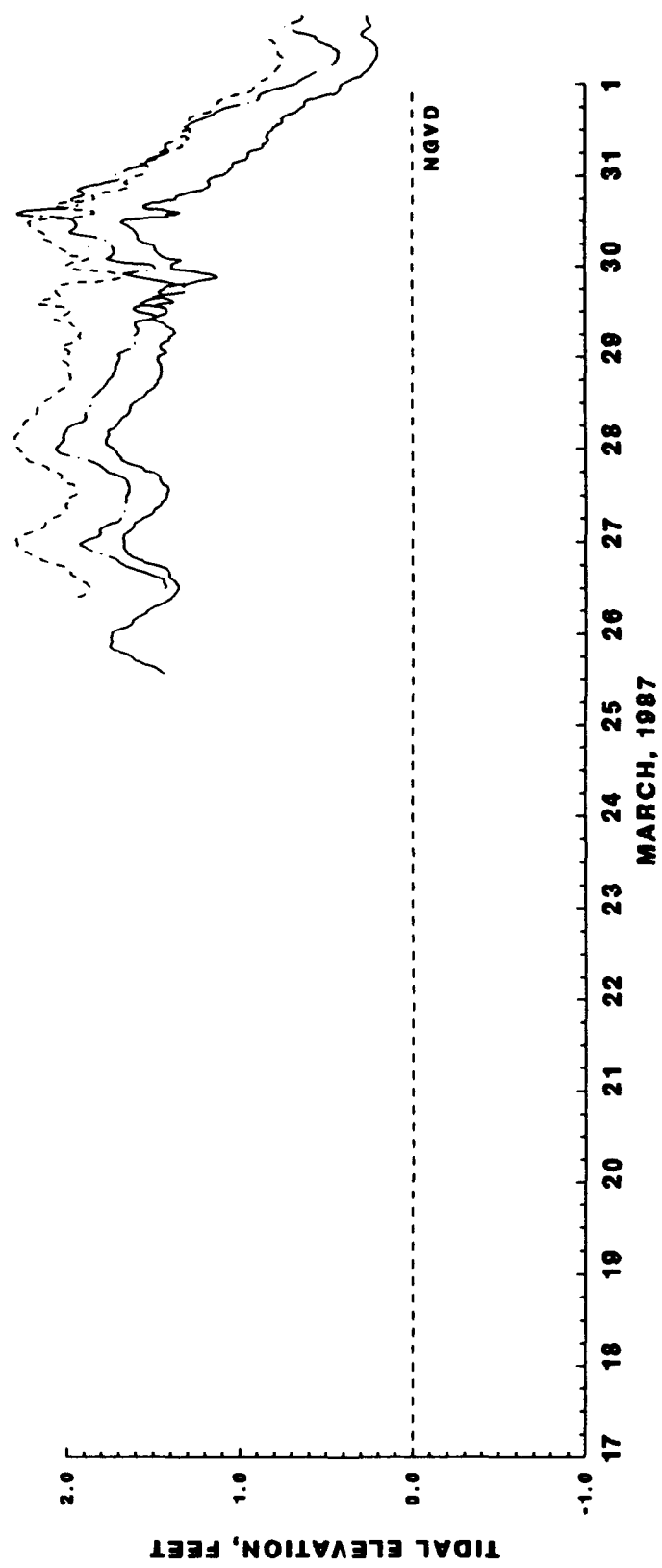
SANTA ROSA SOUND, FT. WALTON

BEACON 1, CHOCTAWHATCHEE BAY

BEACON 46, NEAR ALLIGATOR POINT

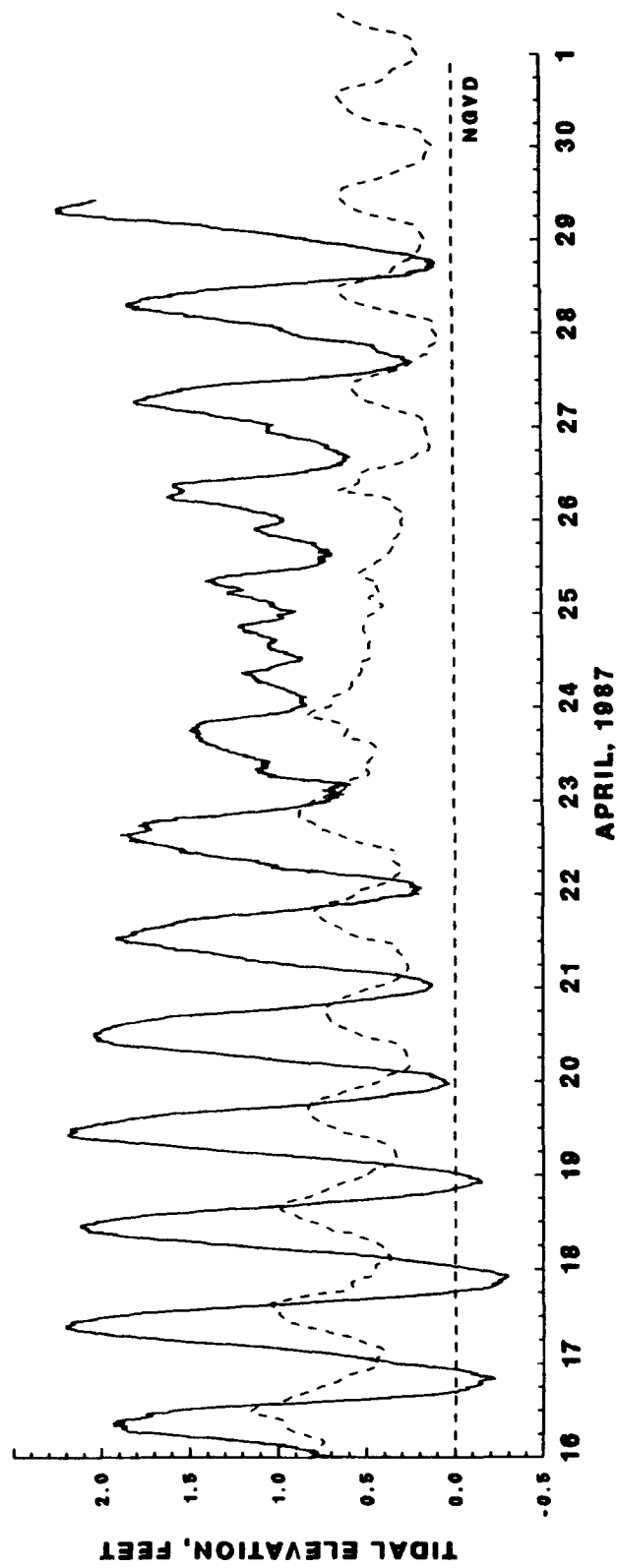
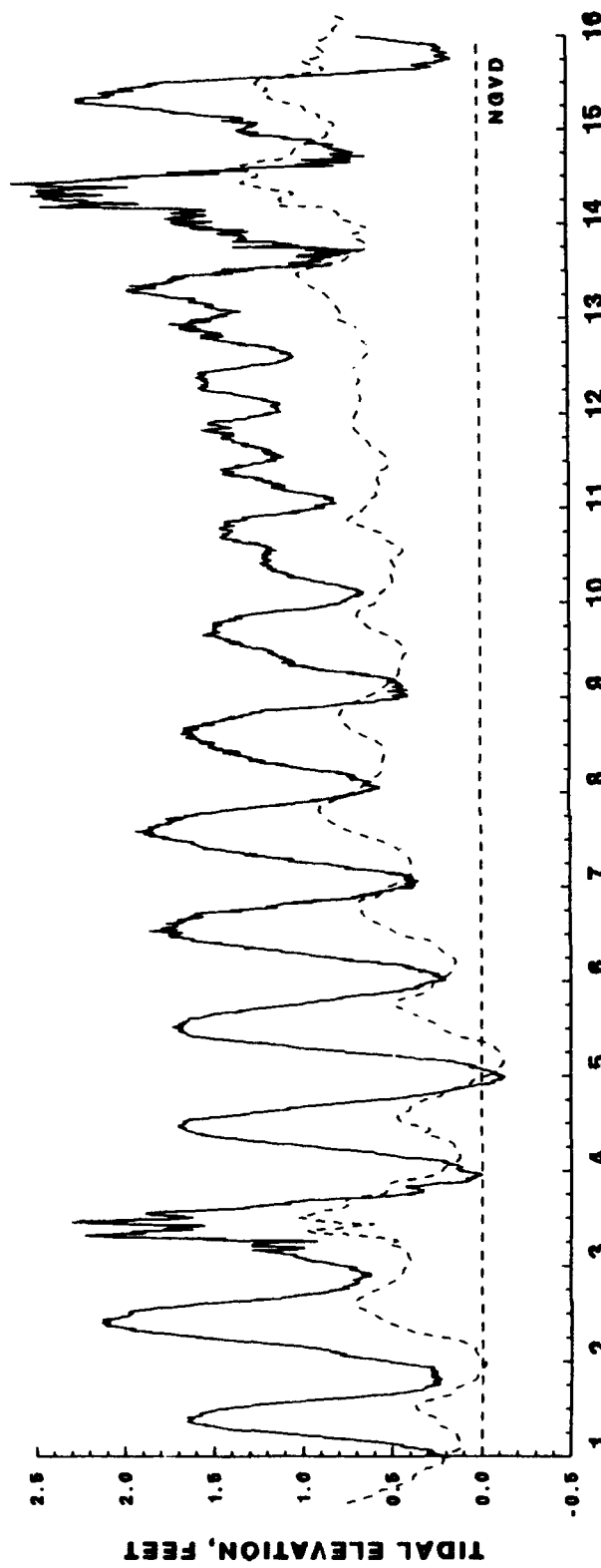
EAST PASS, FLORIDA

1987 HYDRAULIC STUDY



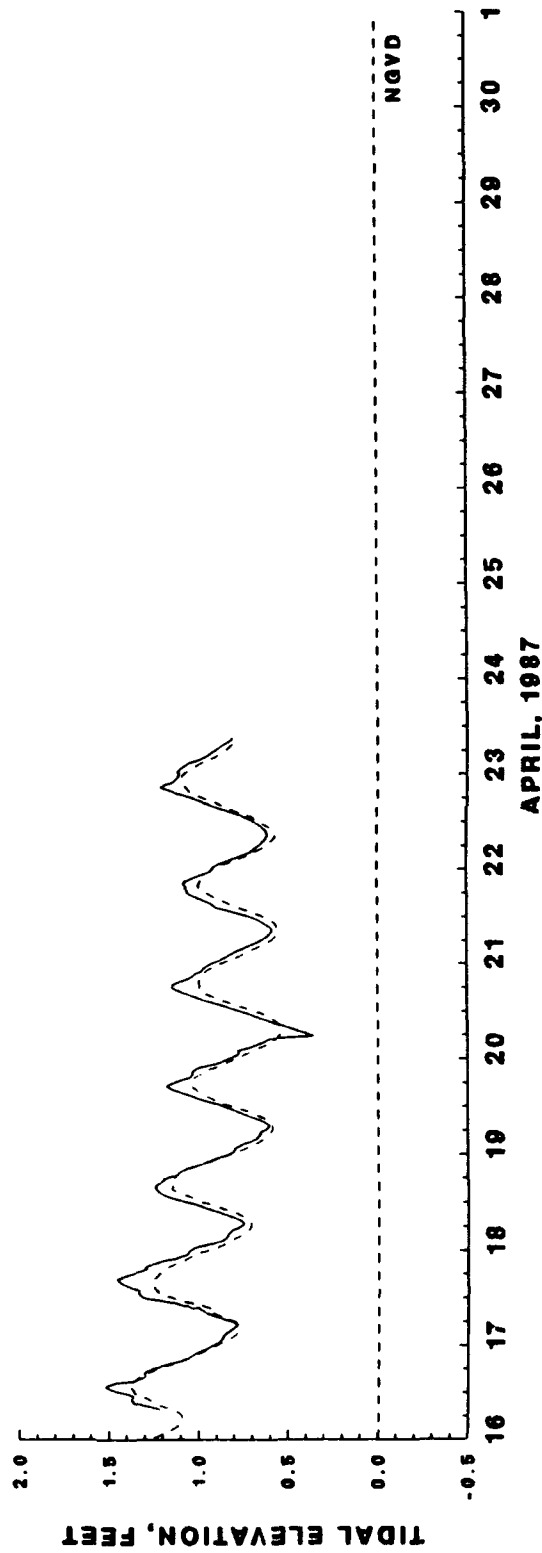
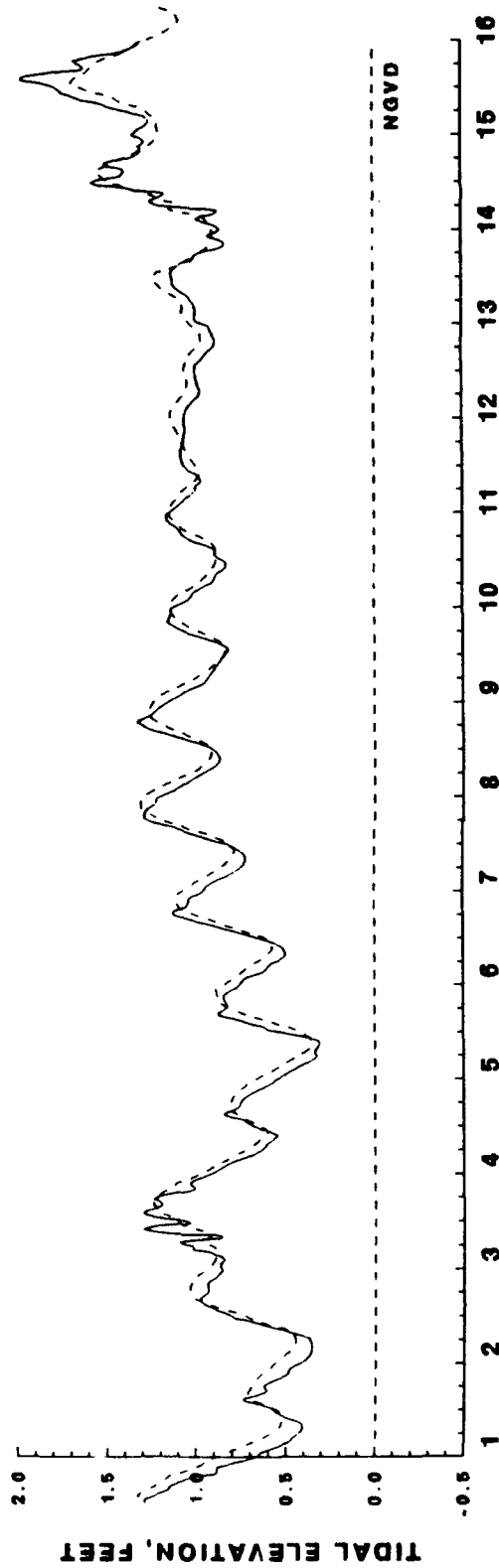
TIDE STATIONS:
BEACON 1, CHOCTAWHATCHEE BAY
BEACON 4, NEAR SHALIMAR
BEACON 46, NEAR ALLIGATOR POINT

EAST PASS, FLORIDA
1987 HYDRAULIC STUDY



**EAST PASS, FLORIDA
1987 HYDRAULIC STUDY**

TIDE STATIONS:
OKALOOSA PIER, GULF OF MEXICO
DESTIN COAST GUARD STATION

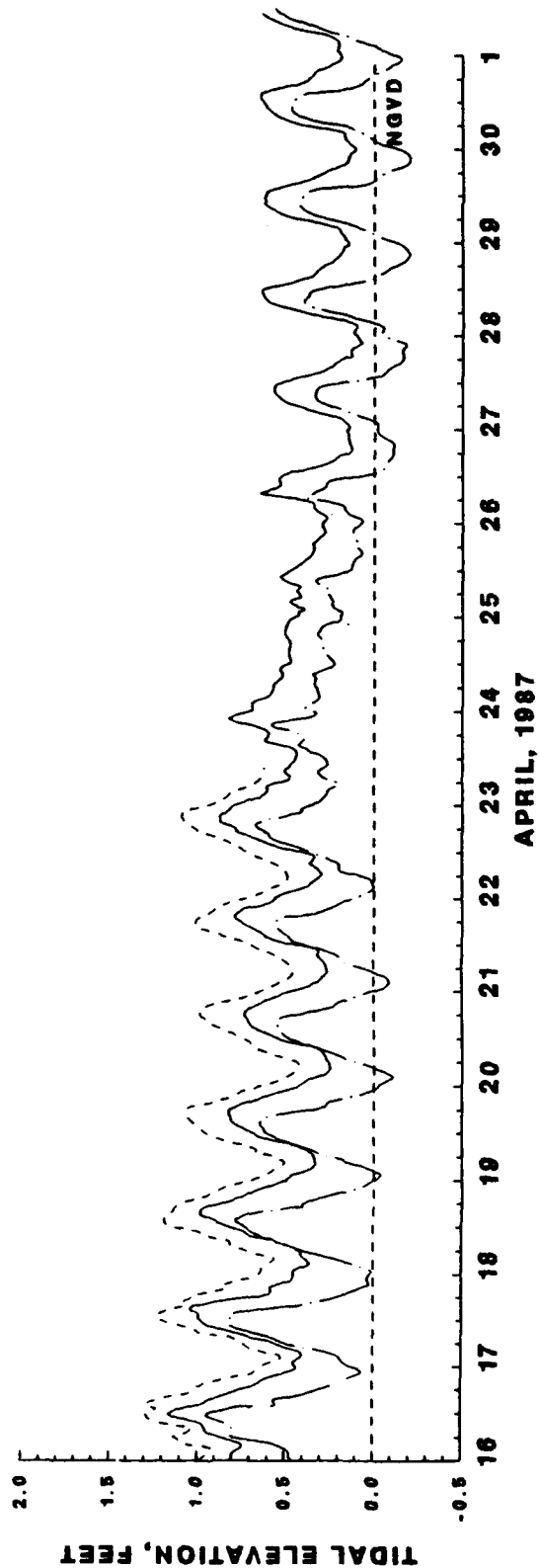
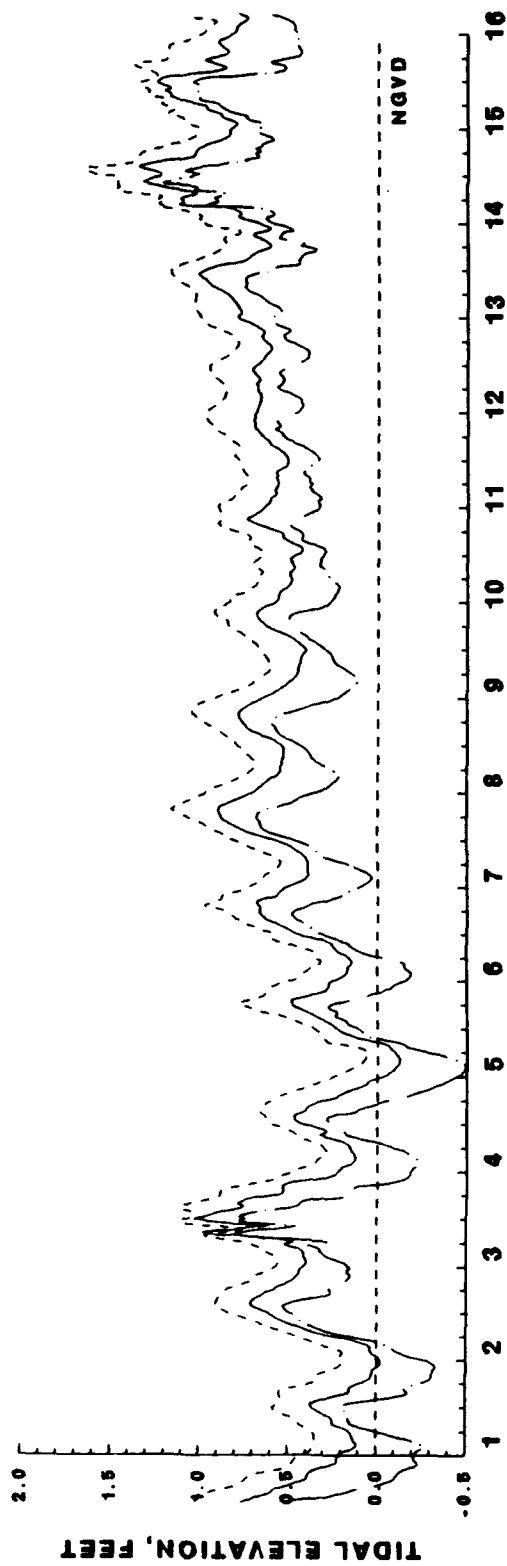


TIDE STATIONS:

BEACON 46, NEAR ALLIGATOR POINT

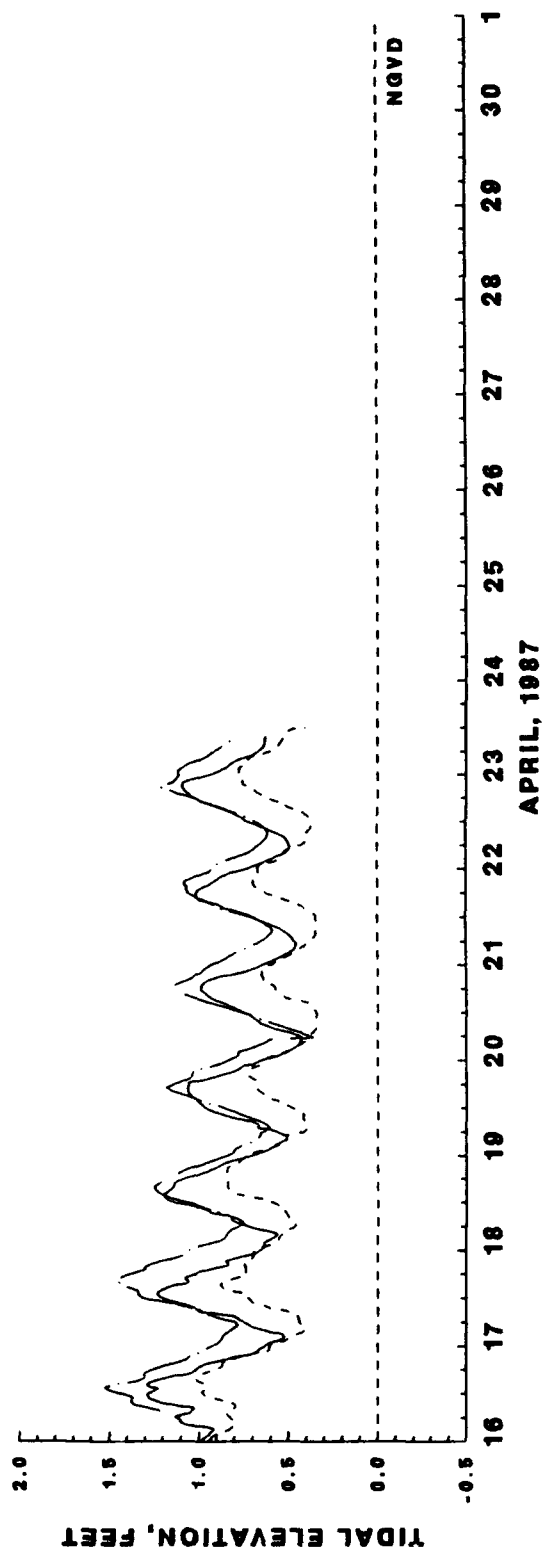
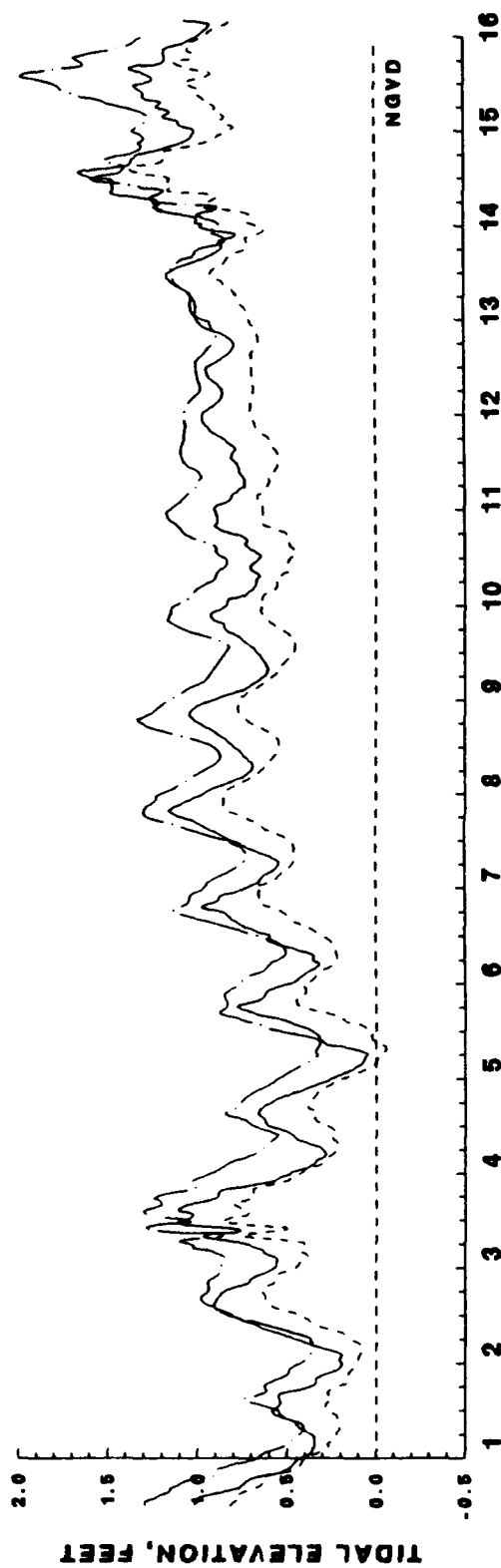
BEACON 49, NEAR FOURMILE POINT

EAST PASS, FLORIDA
1987 HYDRAULIC STUDY



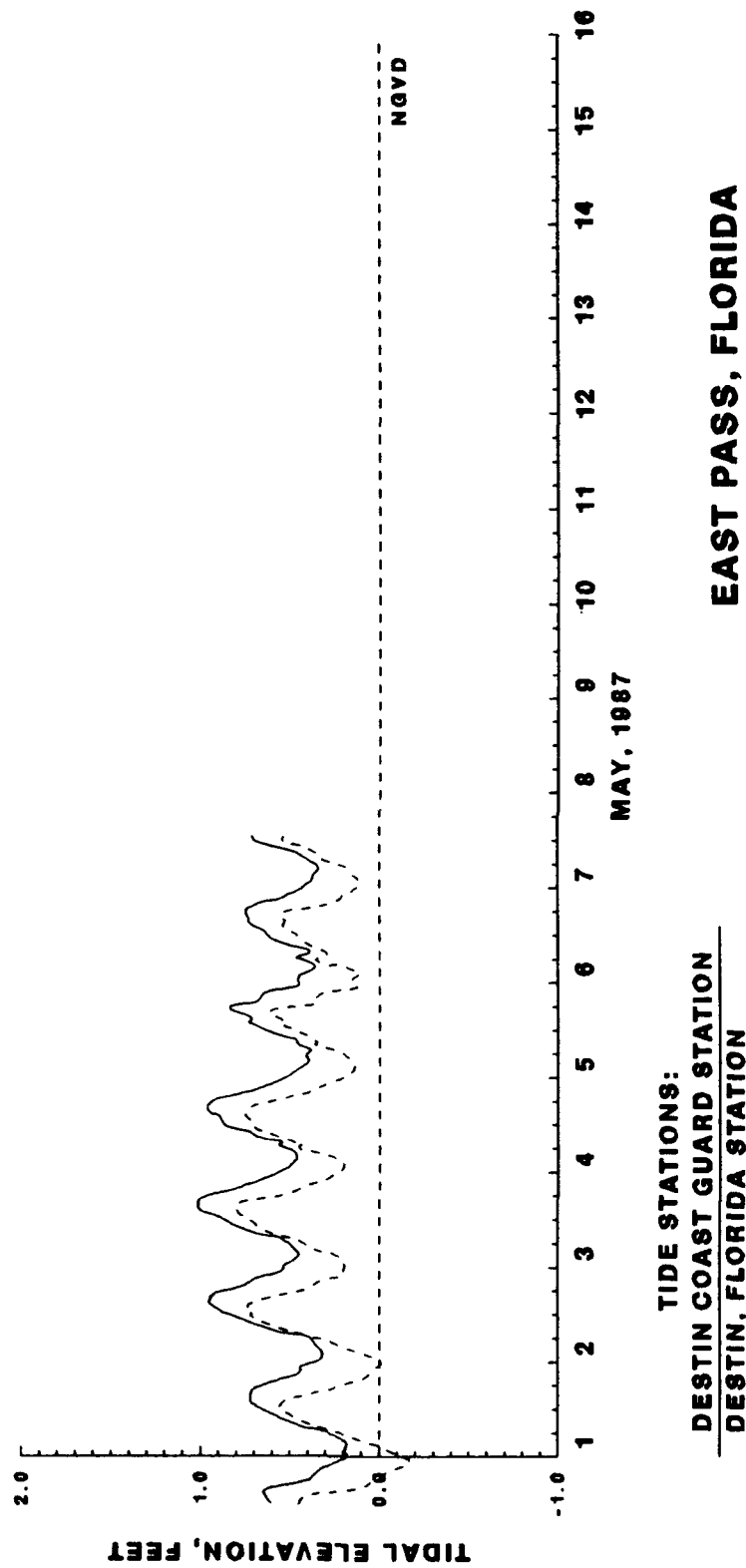
TIDE STATIONS:
DESTIN COAST GUARD STATION
SANTA ROSA SOUND, FT. WALTON
DESTIN, FLORIDA STATION

EAST PASS, FLORIDA
1987 HYDRAULIC STUDY



EAST PASS, FLORIDA
1987 HYDRAULIC STUDY

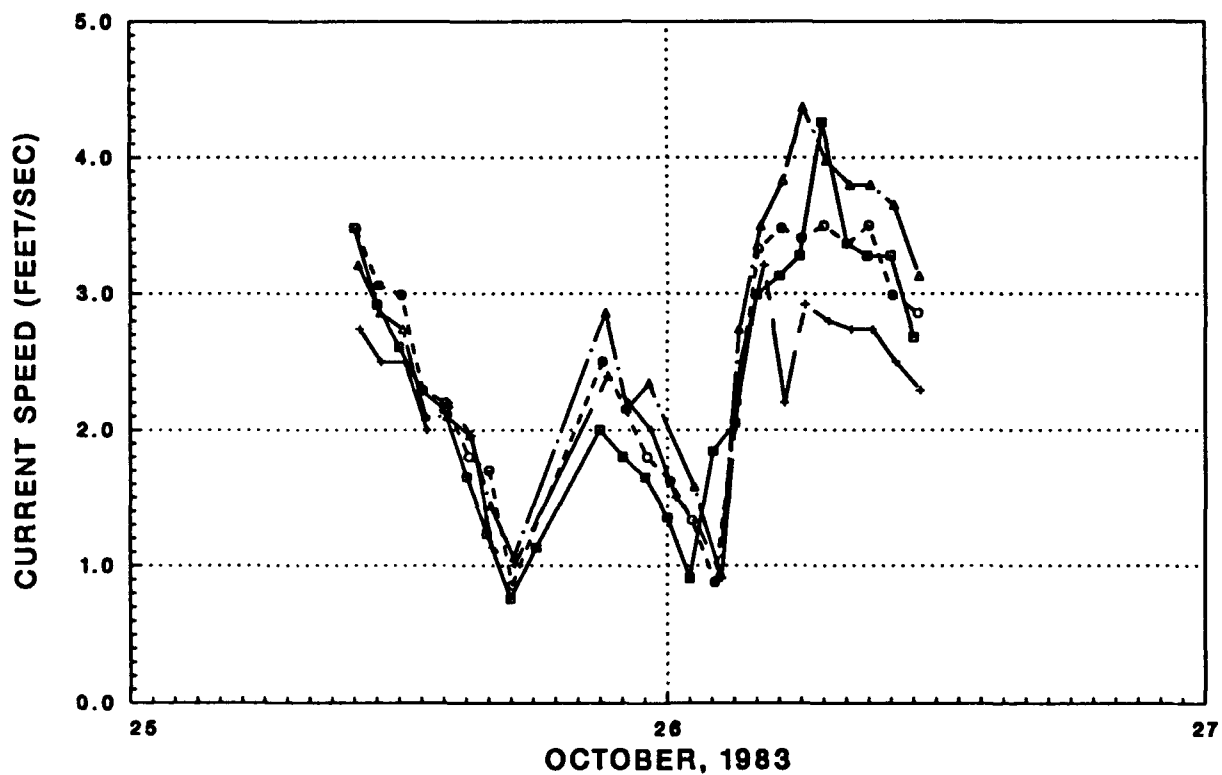
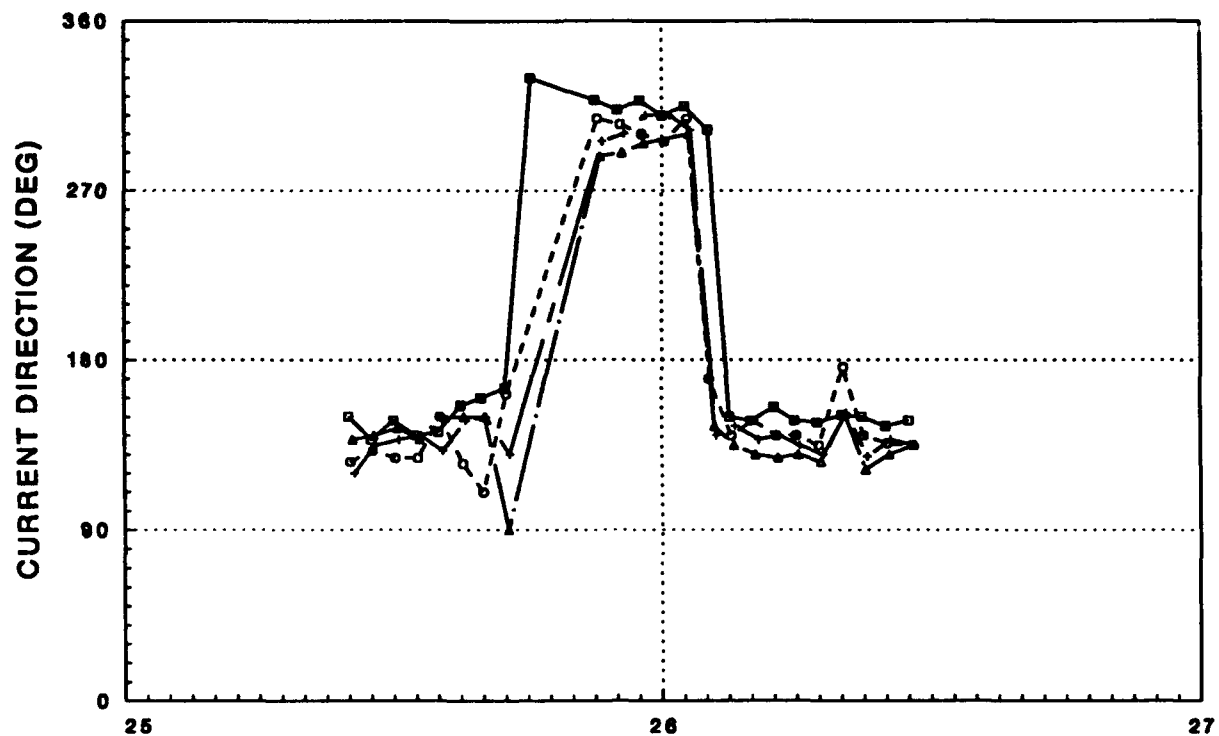
TIDE STATIONS:
SANTA ROSA SOUND, FT. WALTON
BEACON 1, CHOCTAWHATCHEE BAY
BEACON 46, NEAR ALLIGATOR POINT



EAST PASS, FLORIDA 1987 HYDRAULIC STUDY

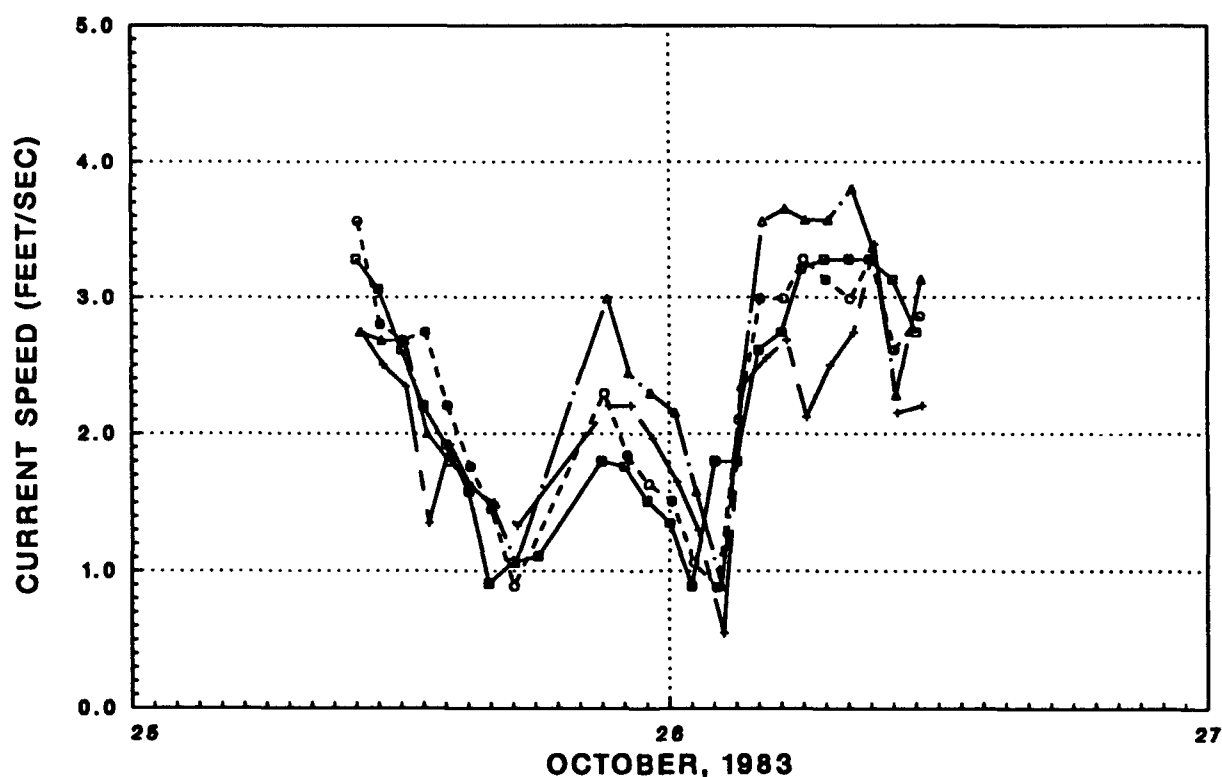
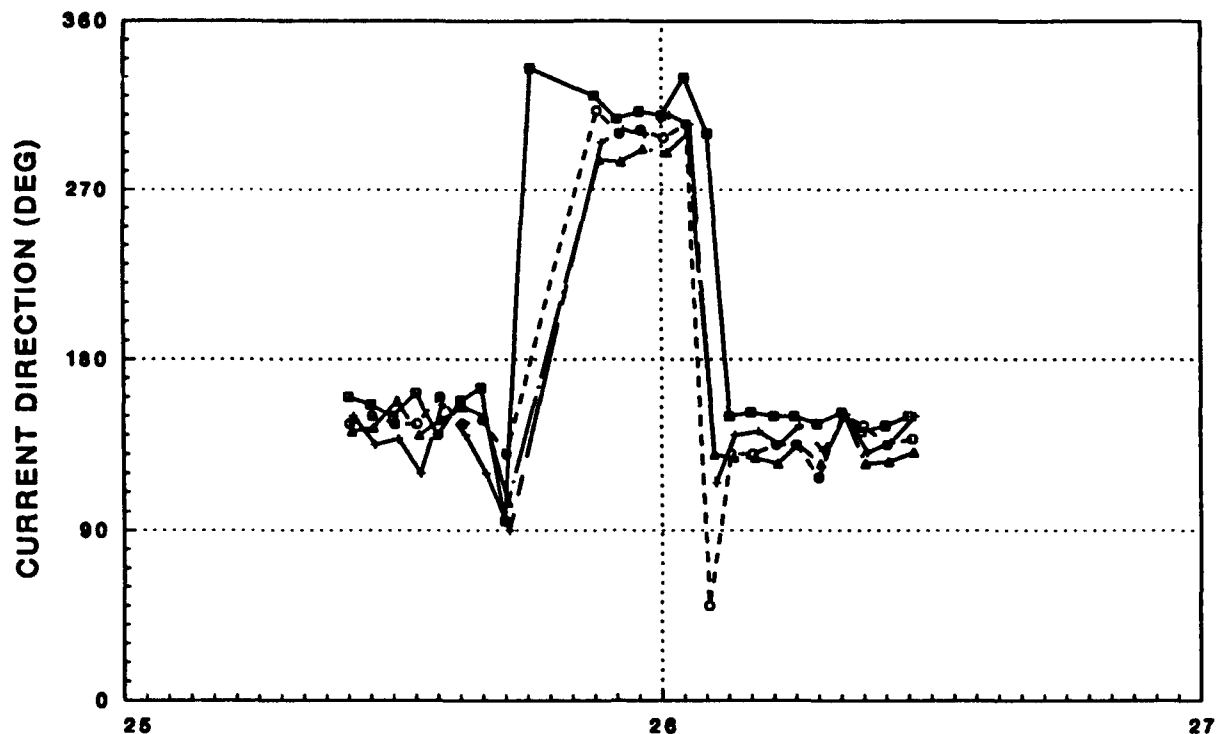
Appendix I

Current Velocity and Direction Curves, East Pass Main Channel, Flood Tide Shoal, and Old Pass Lagoon, October 1983



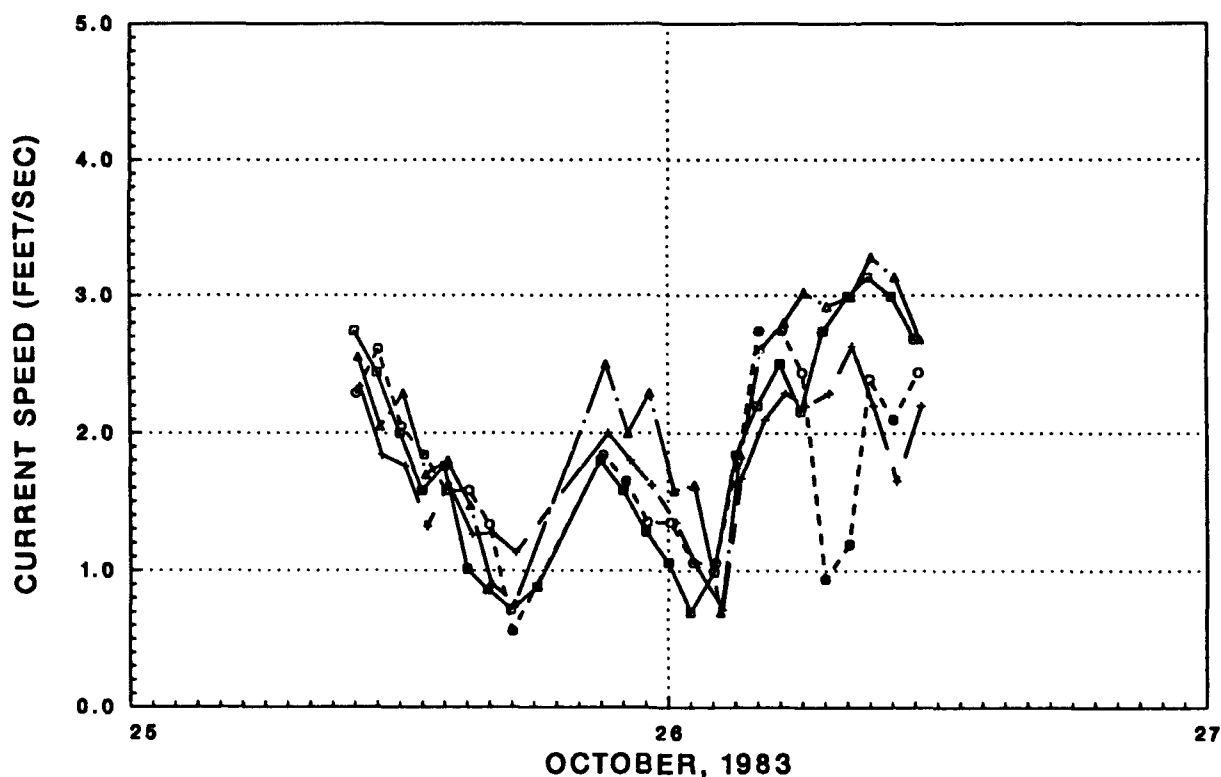
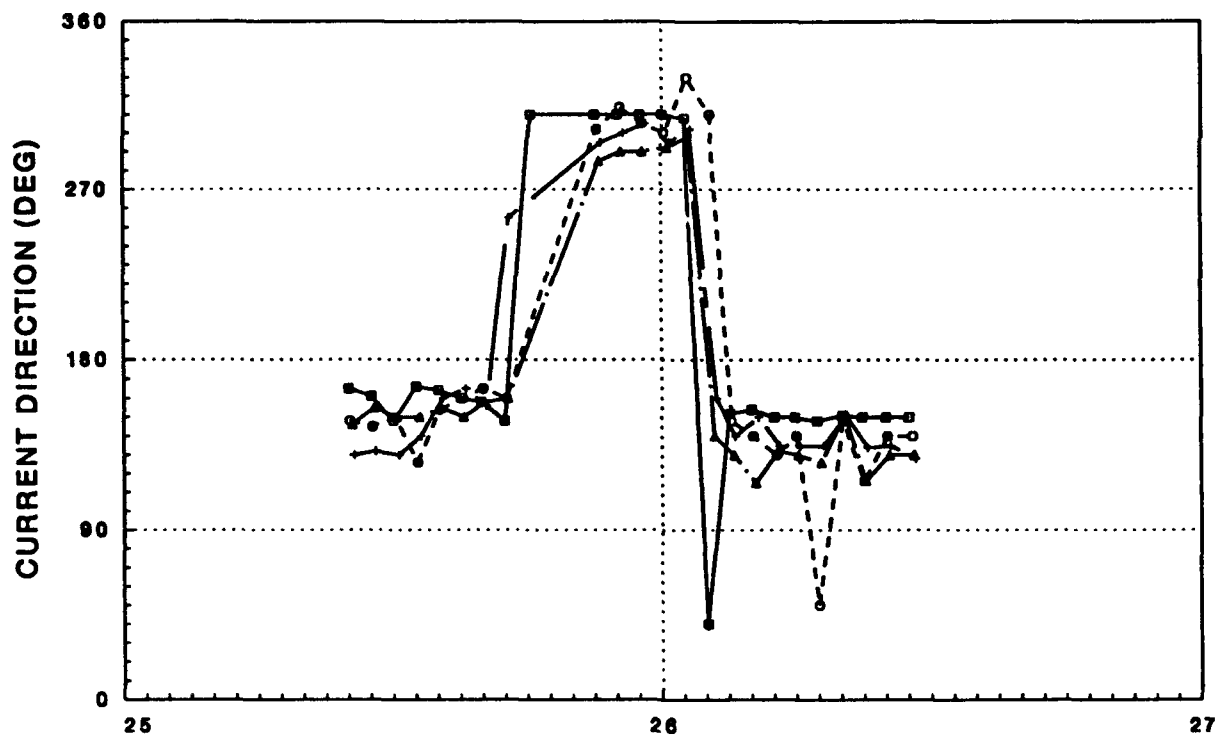
STATIONS:
 □ STATION 1, TOP
 ○ STATION 2, TOP
 △ STATION 3, TOP
 + STATION 4, TOP

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



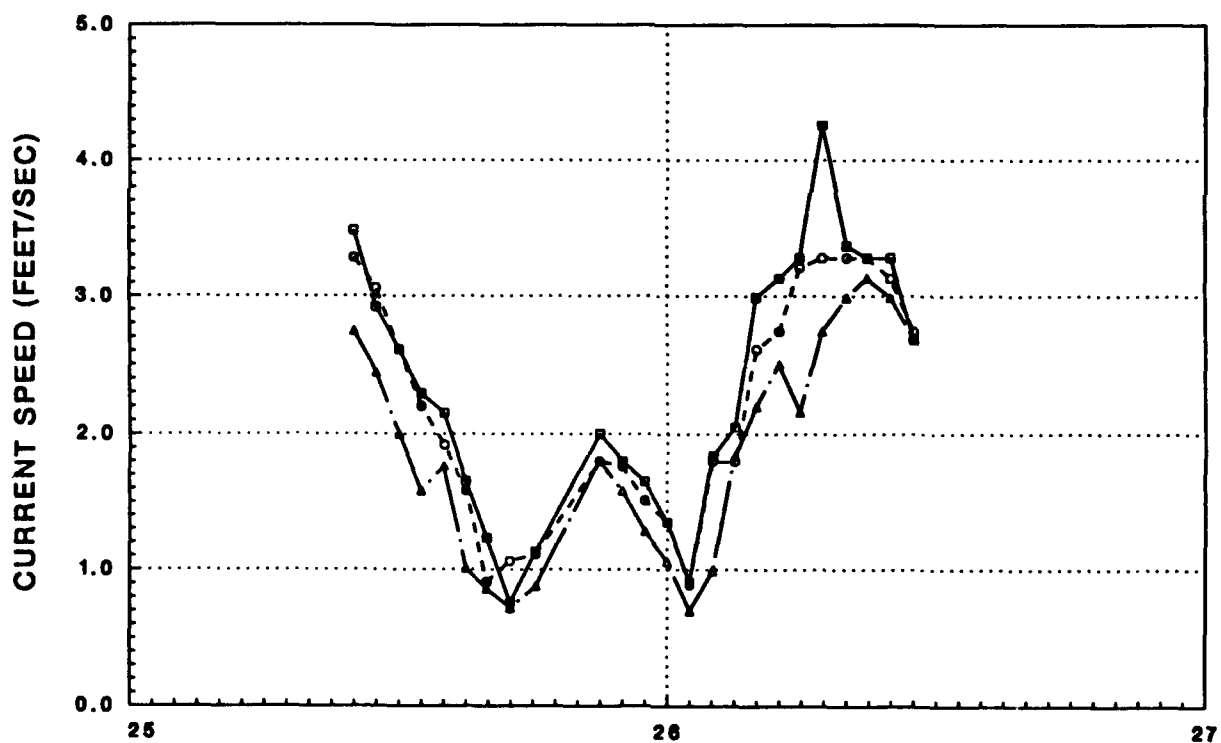
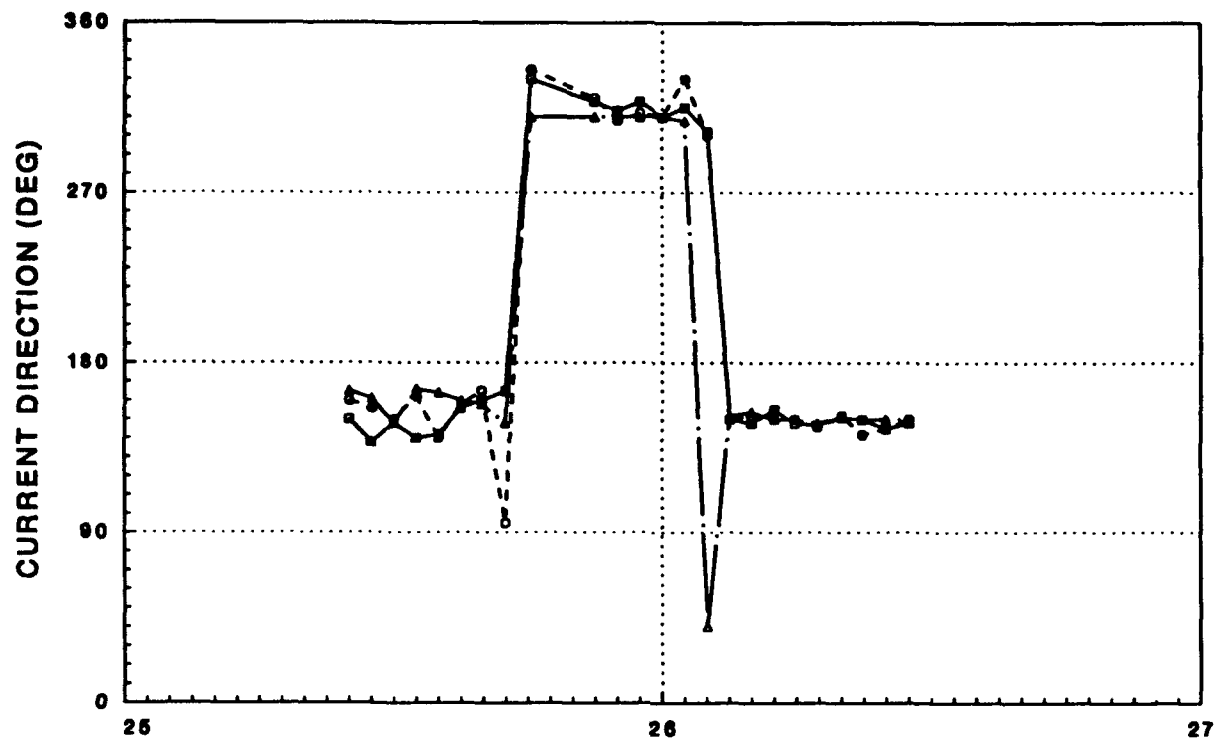
STATIONS:
 □ STATION 1, MIDDLE
 ○ STATION 2, MIDDLE
 ▲ STATION 3, MIDDLE
 ♦ STATION 4, MIDDLE

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ STATION 1, BOTTOM
 ○ STATION 2, BOTTOM
 - - STATION 3, BOTTOM
 ◆ STATION 4, BOTTOM

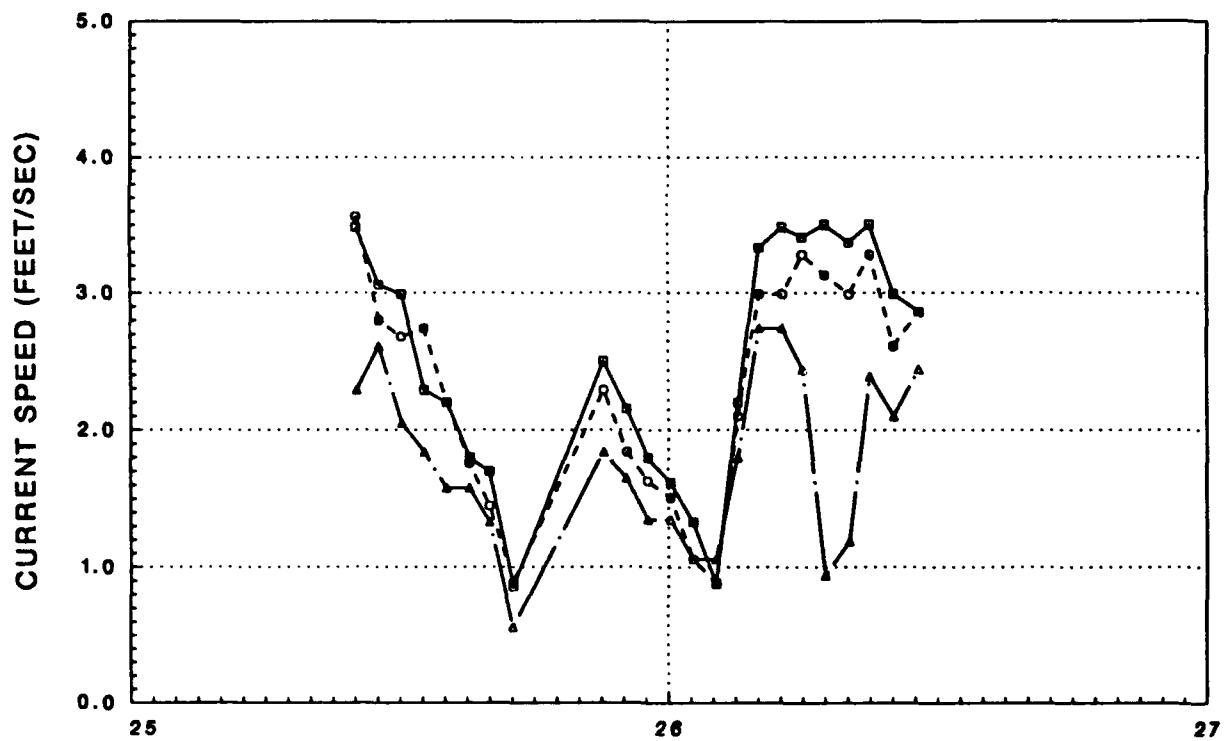
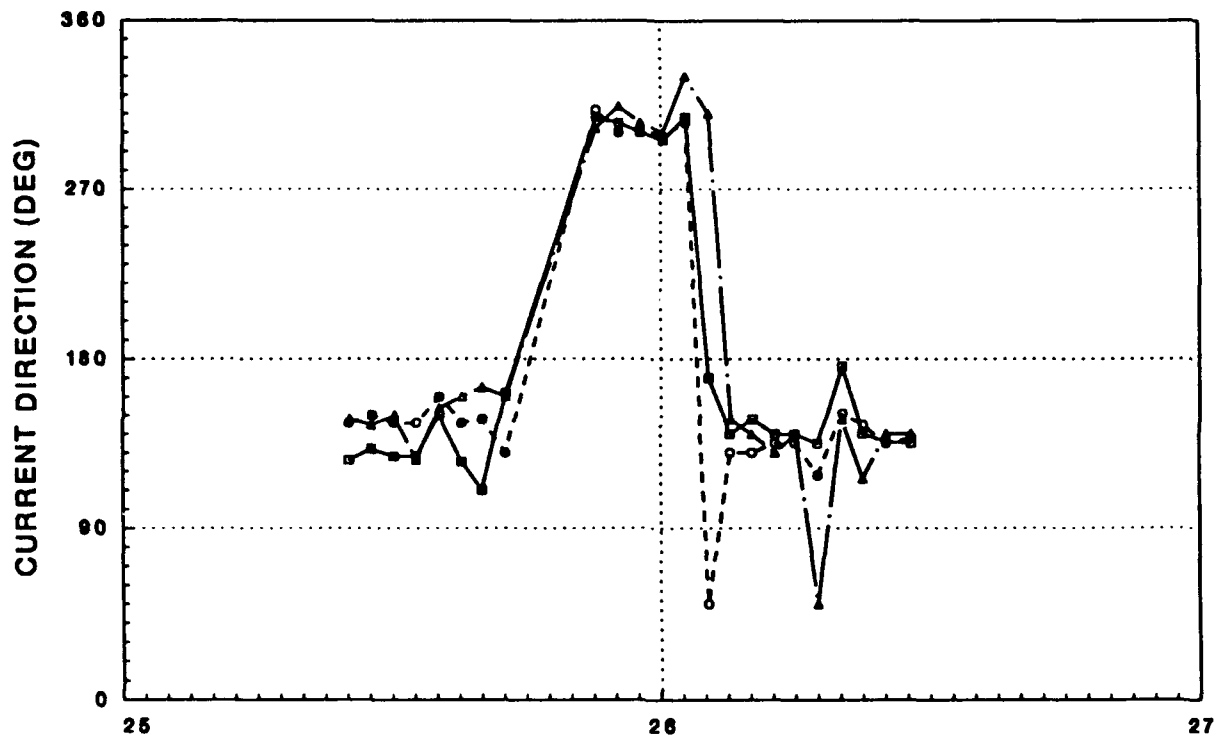
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ STATION 1, TOP
 ○ STATION 1, MIDDLE
 ▲ STATION 1, BOTTOM

OCTOBER, 1983

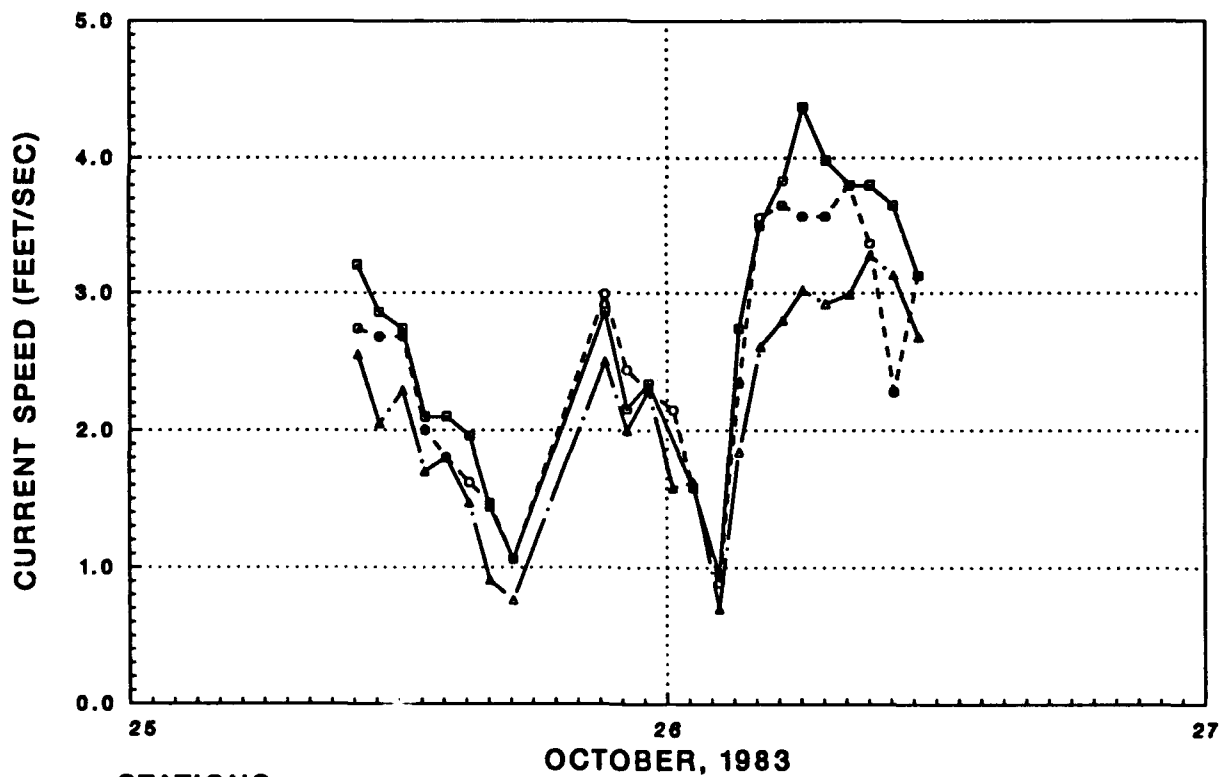
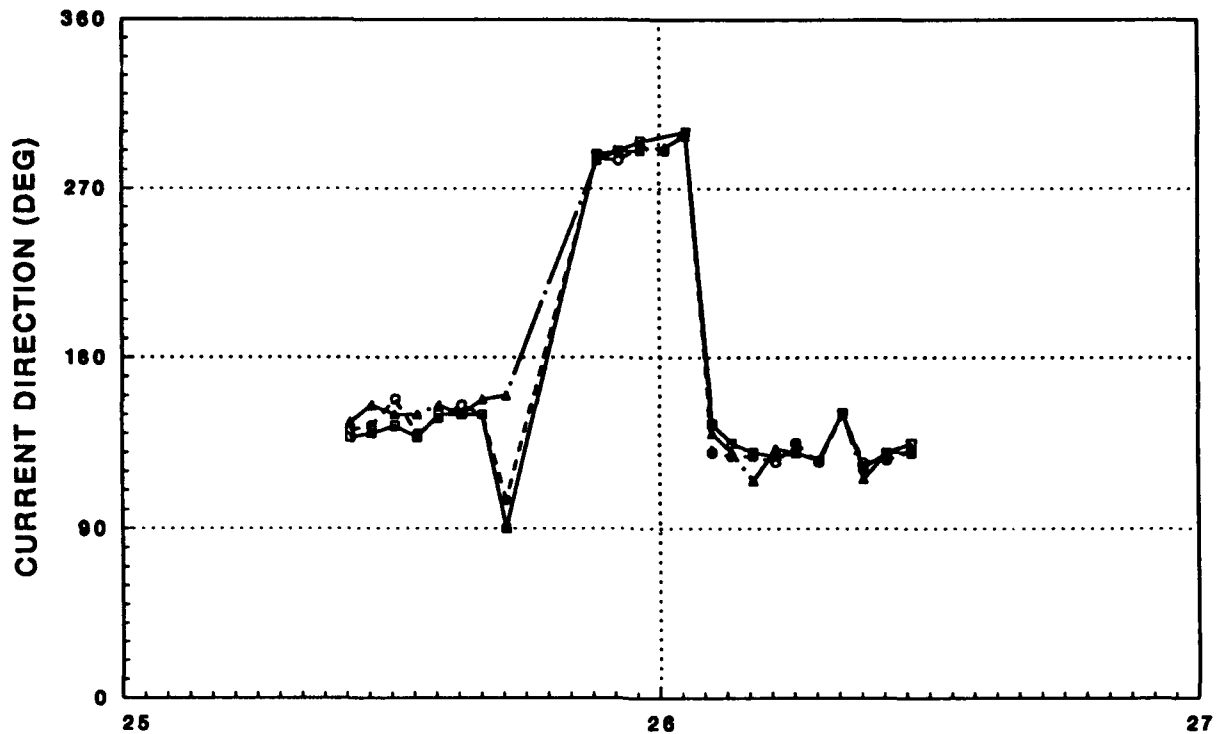
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ STATION 2, TOP
 ○ STATION 2, MIDDLE
 ▲ STATION 2, BOTTOM

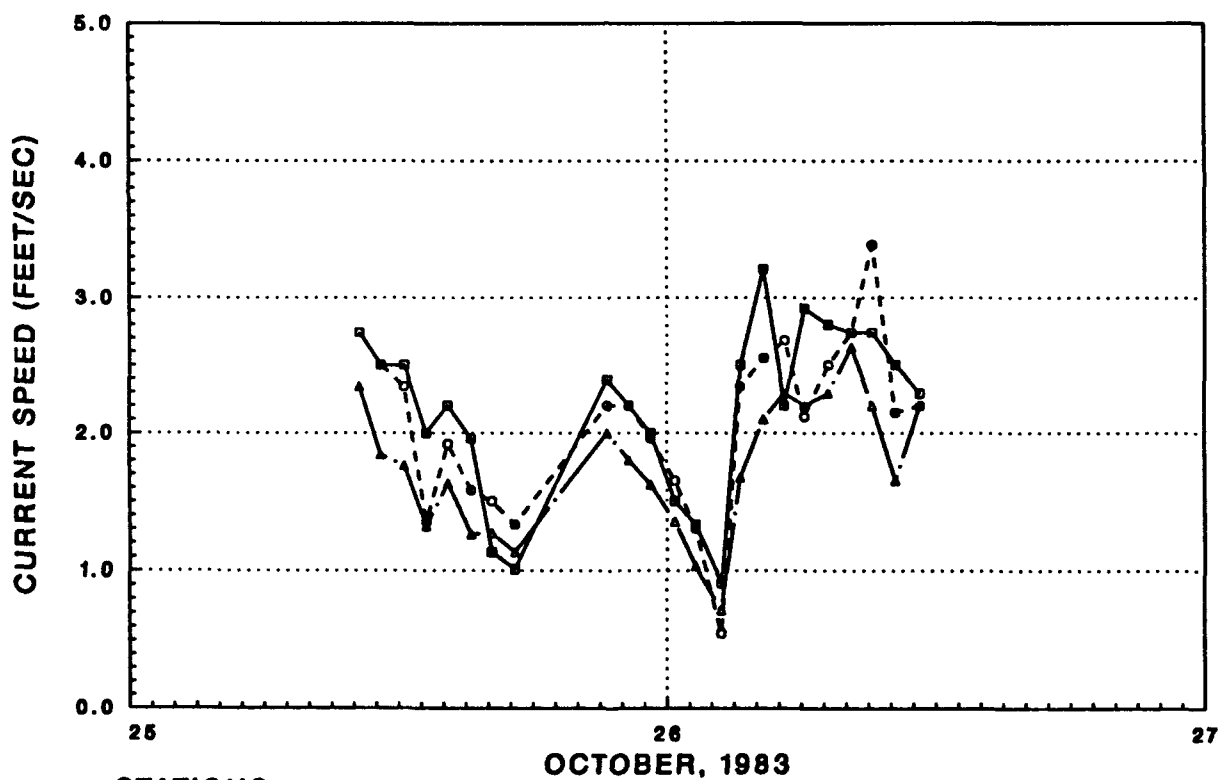
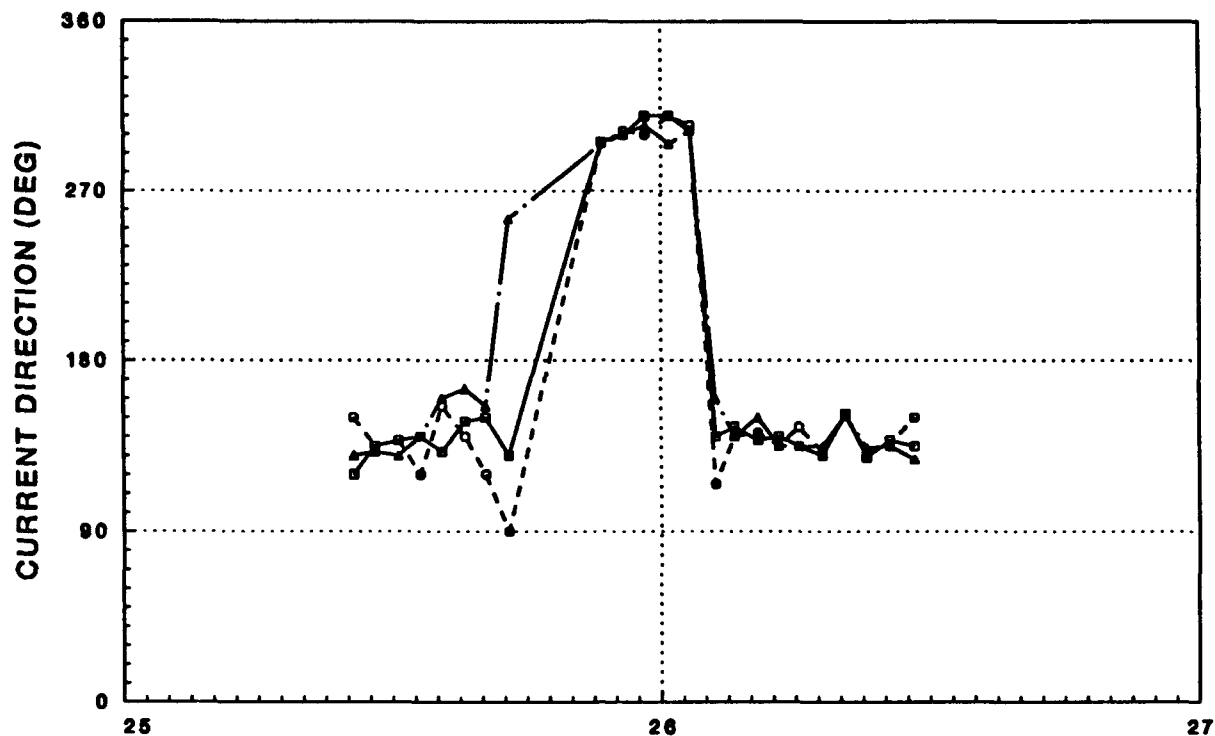
OCTOBER, 1983

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



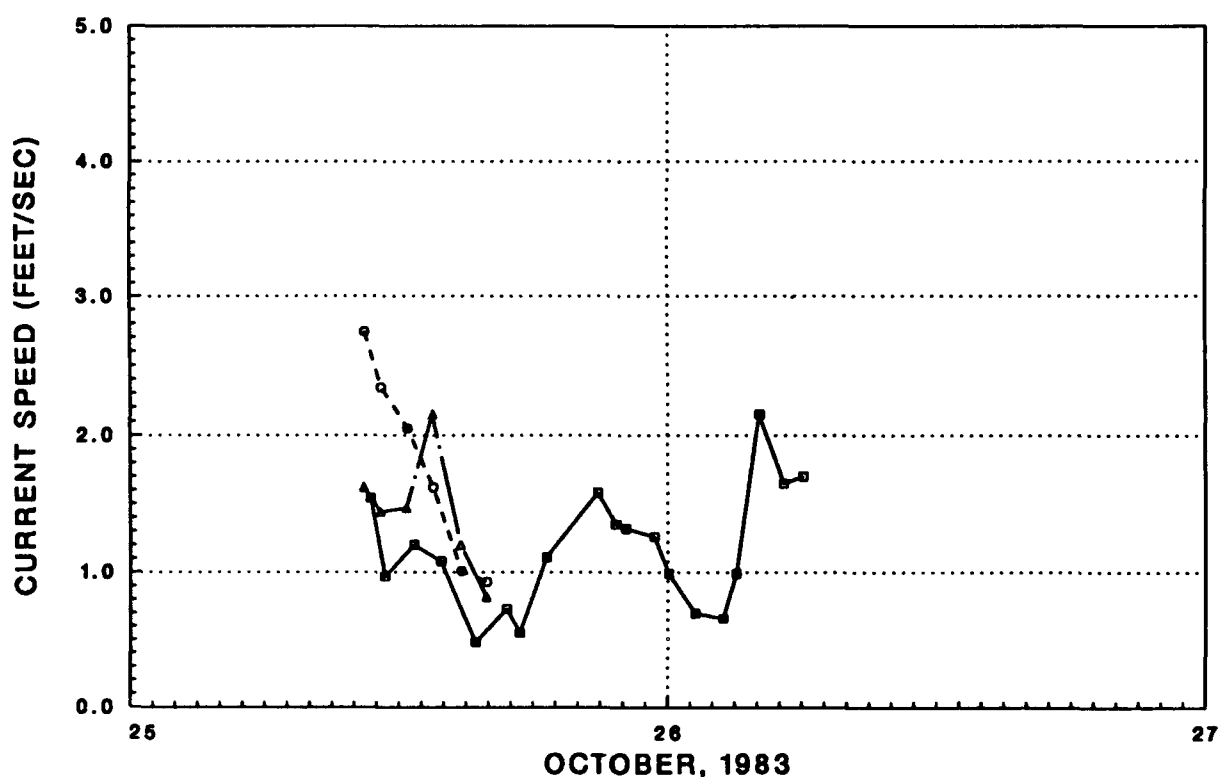
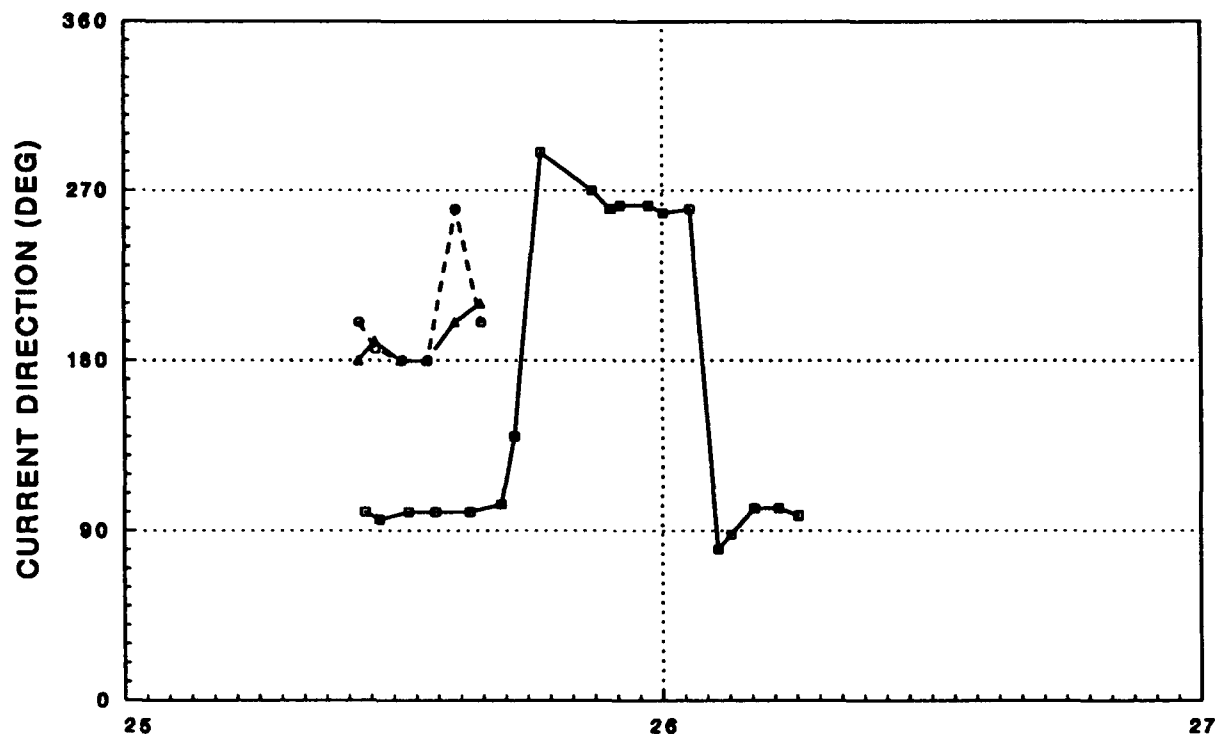
STATIONS:
 □ STATION 3, TOP
 ○ STATION 3, MIDDLE
 ▲ STATION 3, BOTTOM

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



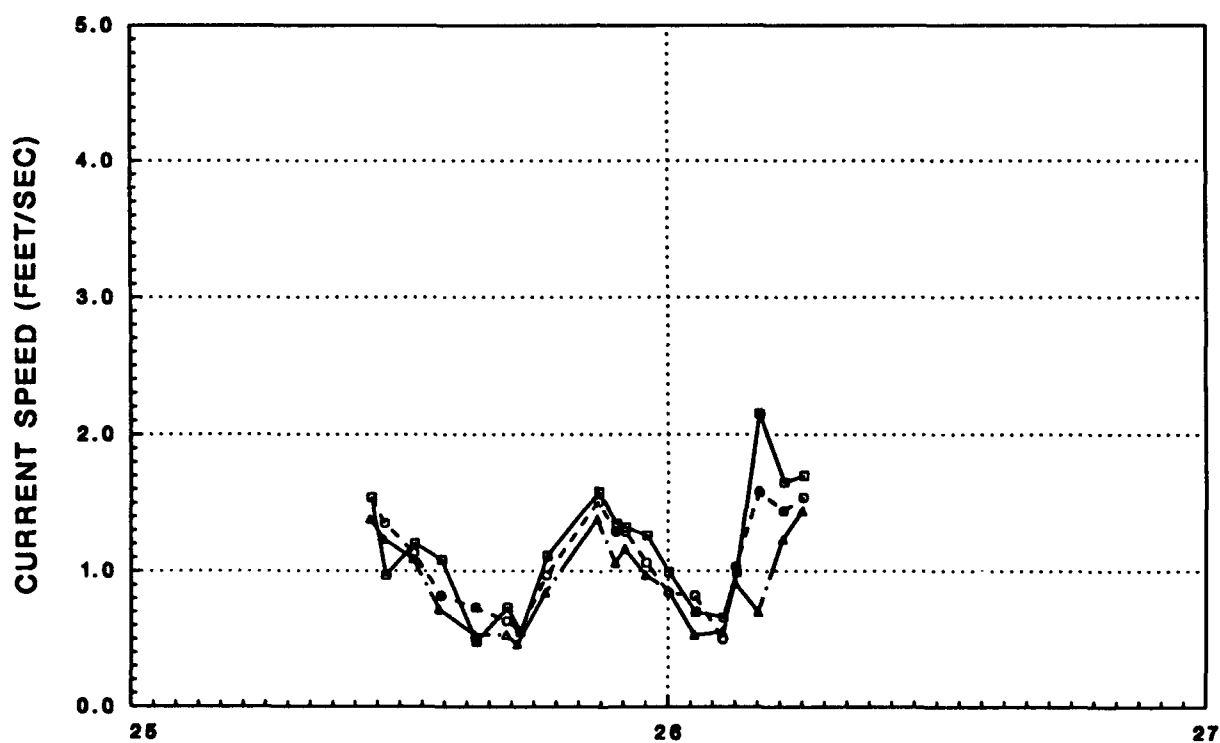
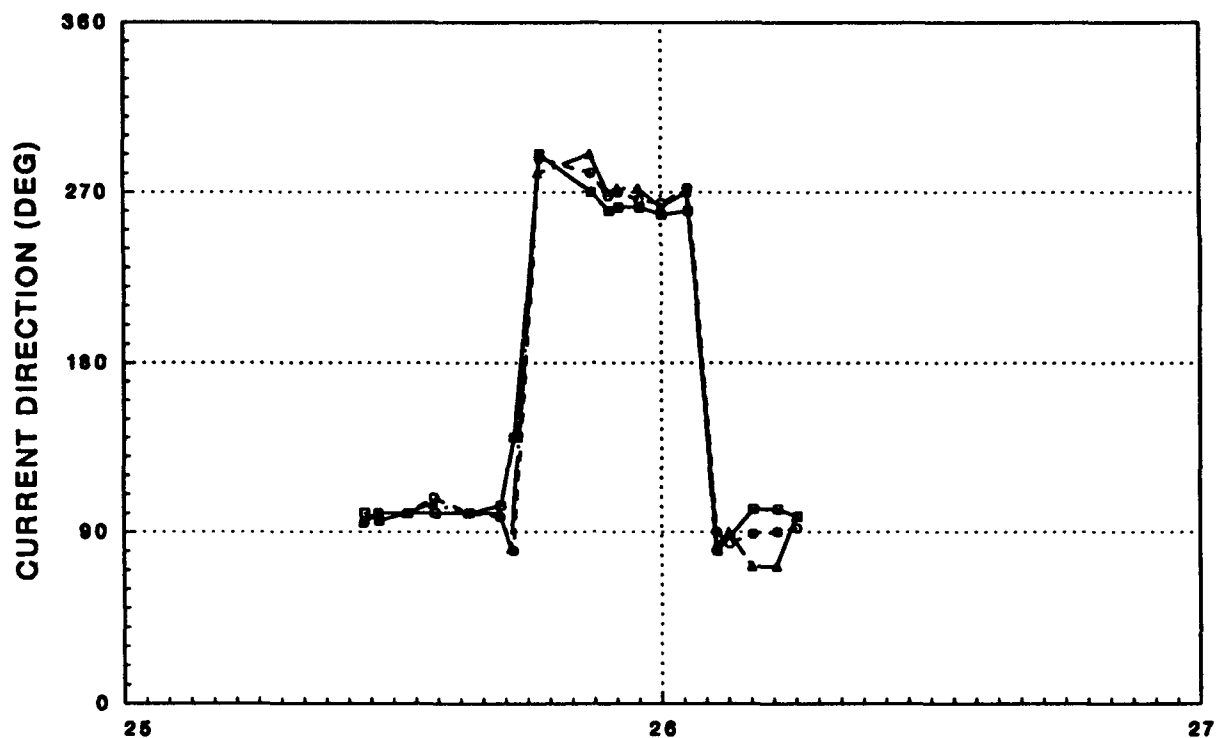
STATIONS:
 □ STATION 4, TOP
 ○ STATION 4, MIDDLE
 ▲ STATION 4, BOTTOM

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ E. CHANNEL, R. BANK, TOP
 ○ E. CHANNEL, R. BANK, MID.
 ▲ E. CHANNEL, R. BANK, BOT.

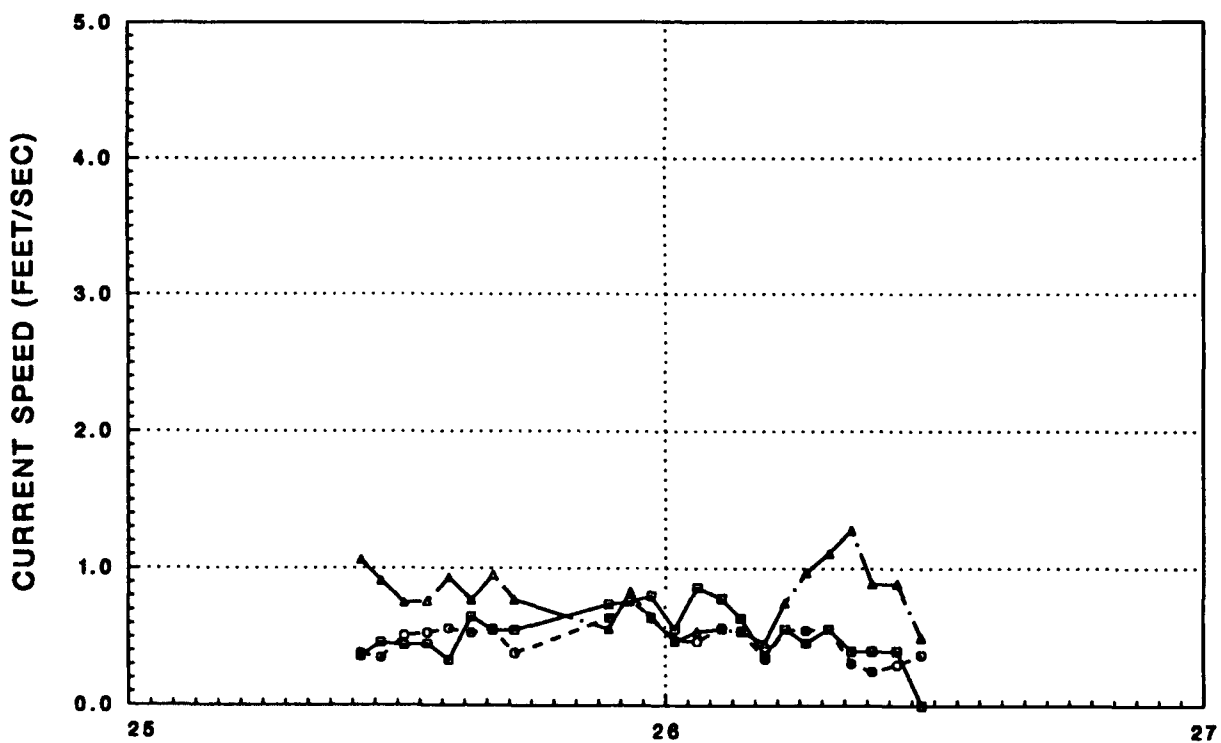
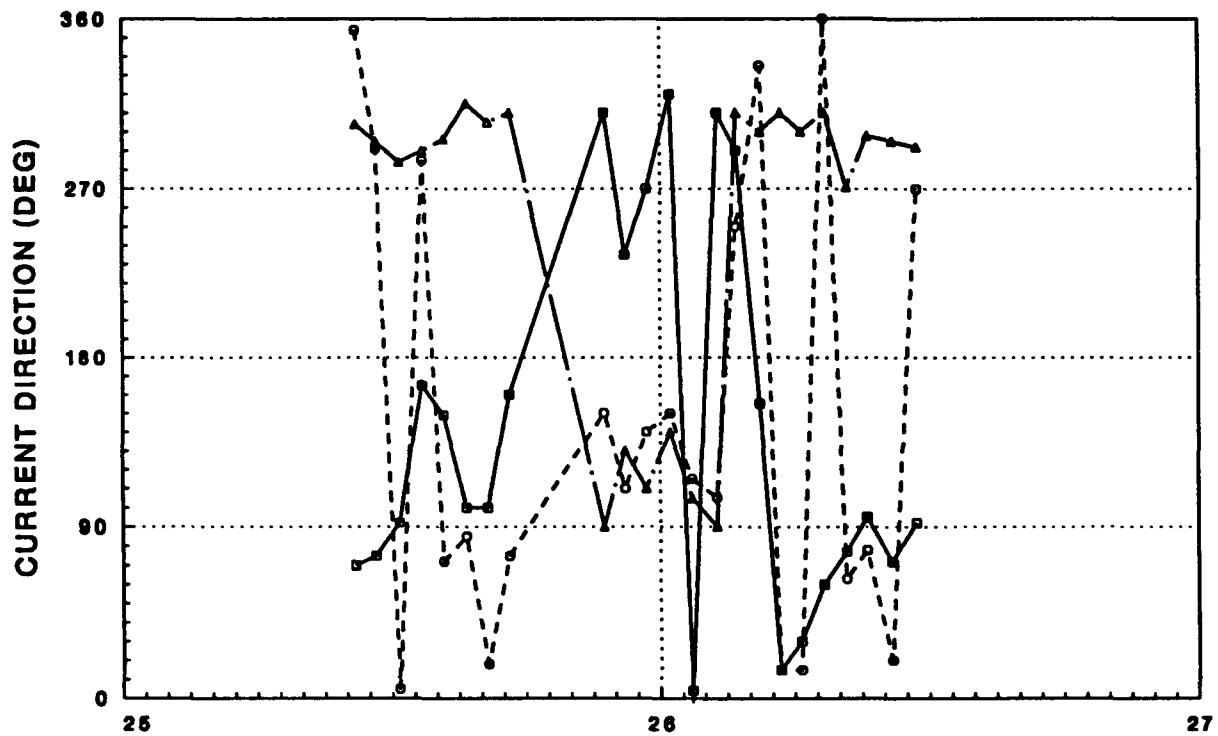
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ WEST CHANNEL, TOP
 ○ WEST CHANNEL, MID.
 ▲ WEST CHANNEL, BOT.

OCTOBER, 1983

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



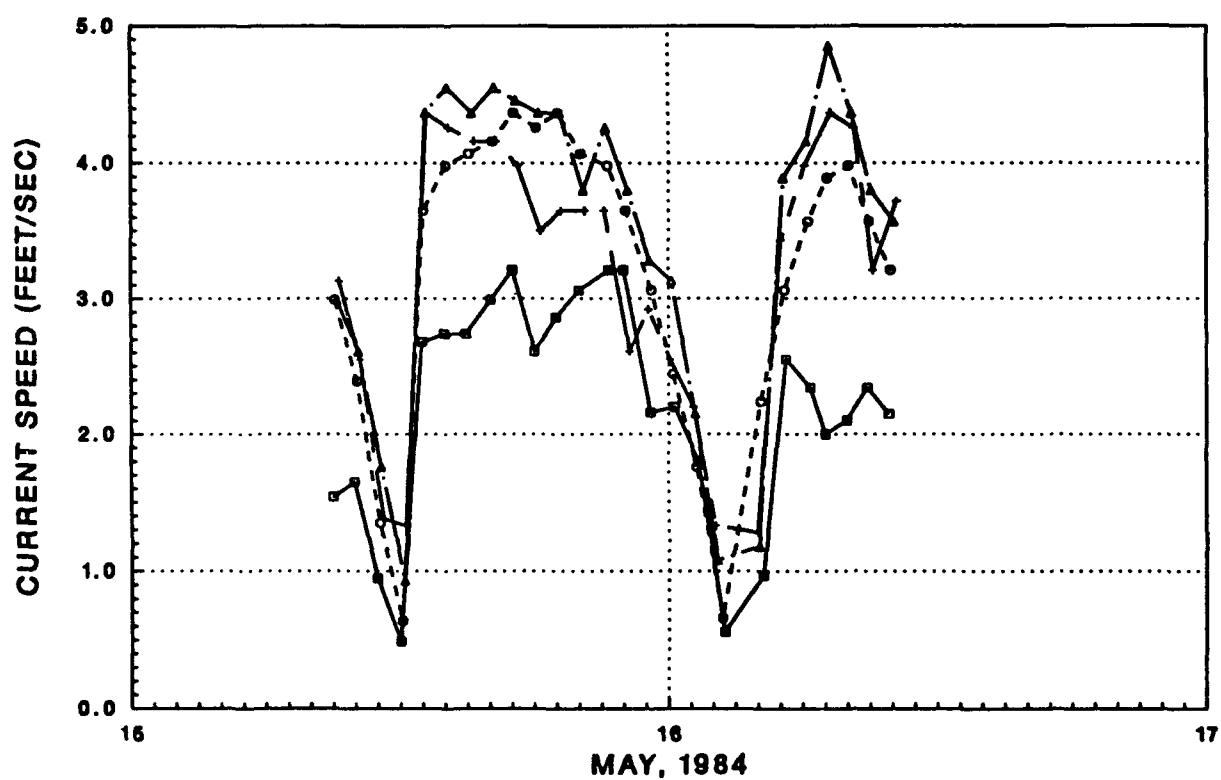
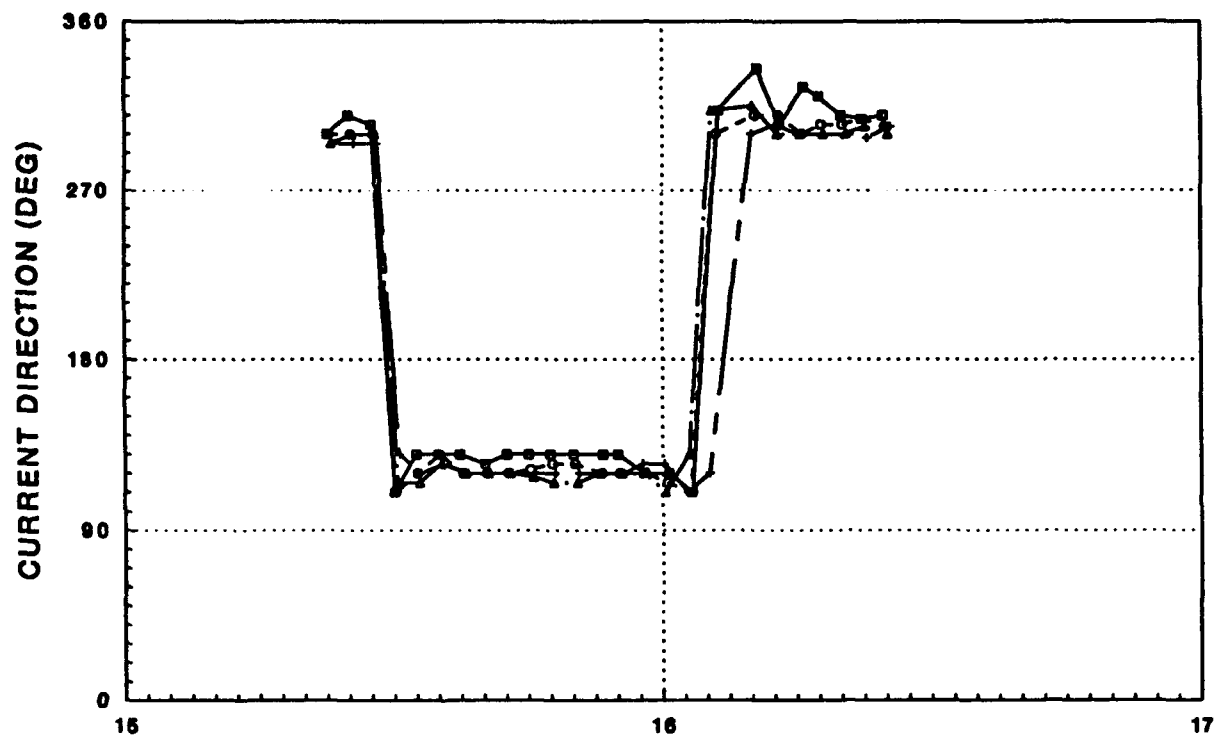
OCTOBER, 1983

STATIONS:

- MOUTH OLD PASS, TOP
- MOUTH OLD PASS, MIDDLE
- ▲ MOUTH OLD PASS, BOTTOM

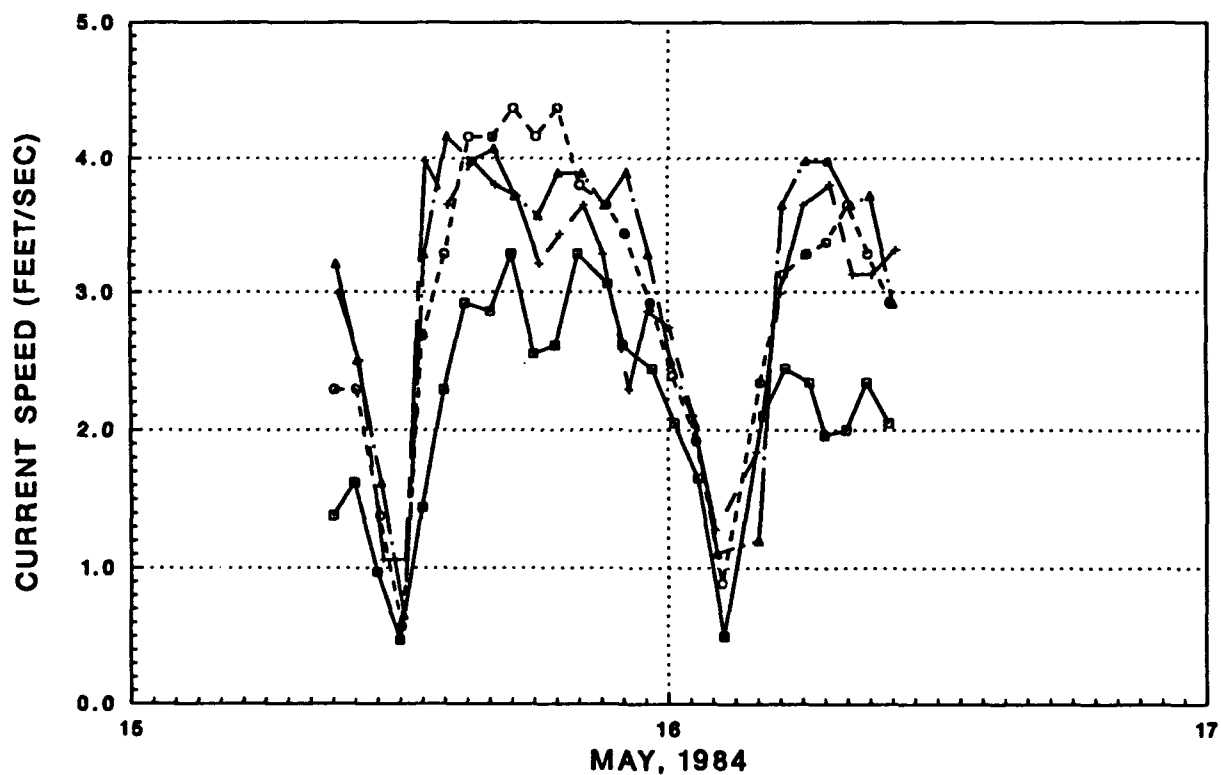
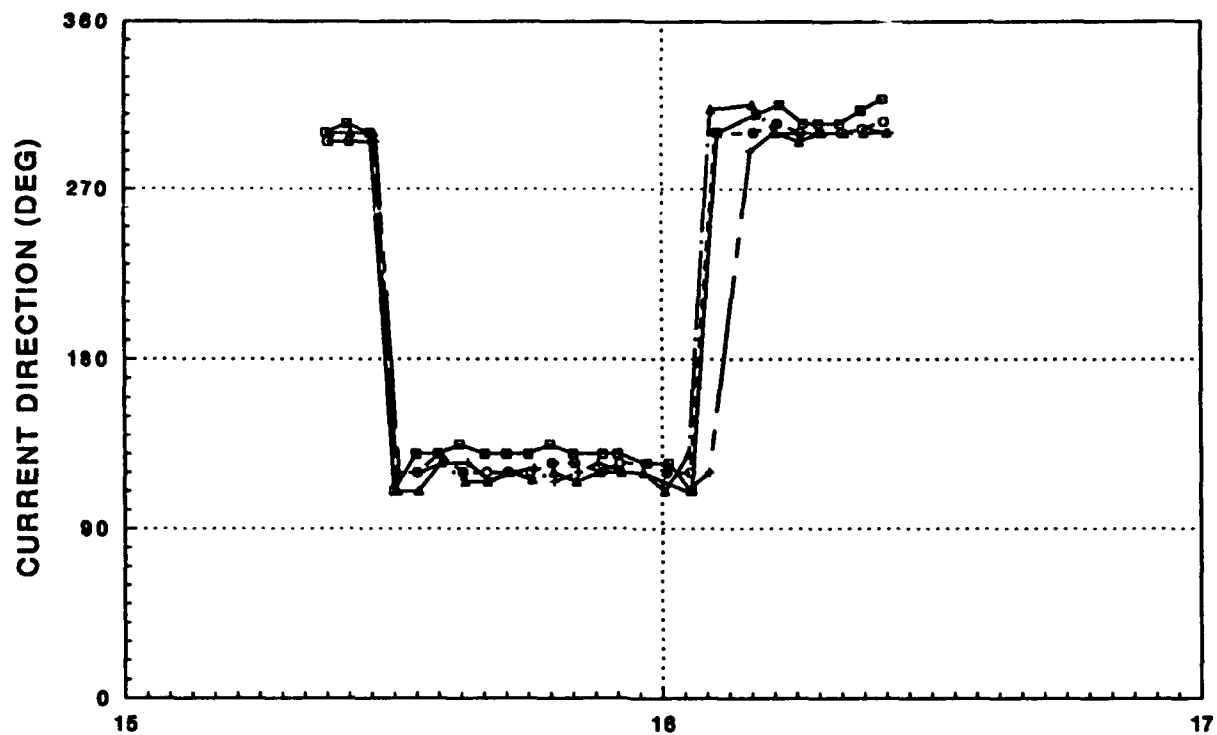
EAST PASS, FLORIDA CURRENT VELOCITY CURVES

Appendix J
Current Velocity and Direction
Curves, East Pass Main Channel,
Flood Tide Shoal, Old Pass
Lagoon, and Santa Rosa Sound
(Fort Walton Beach), May 1984



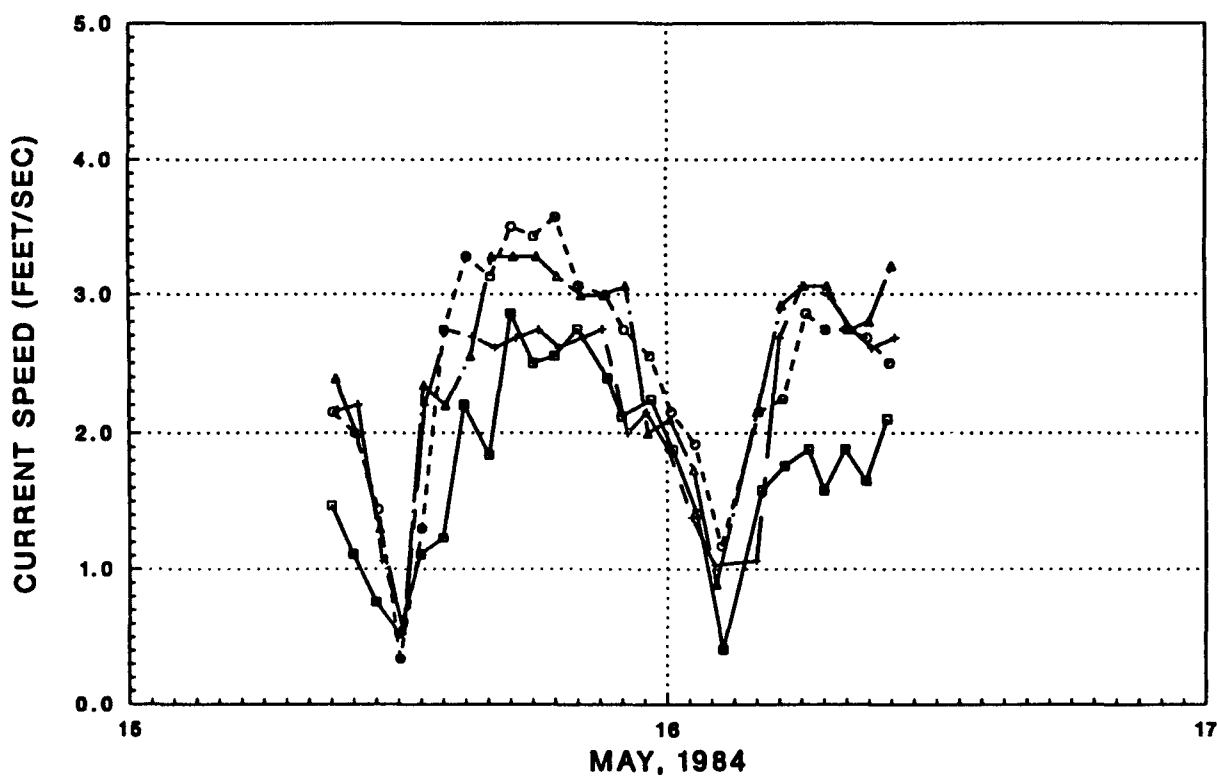
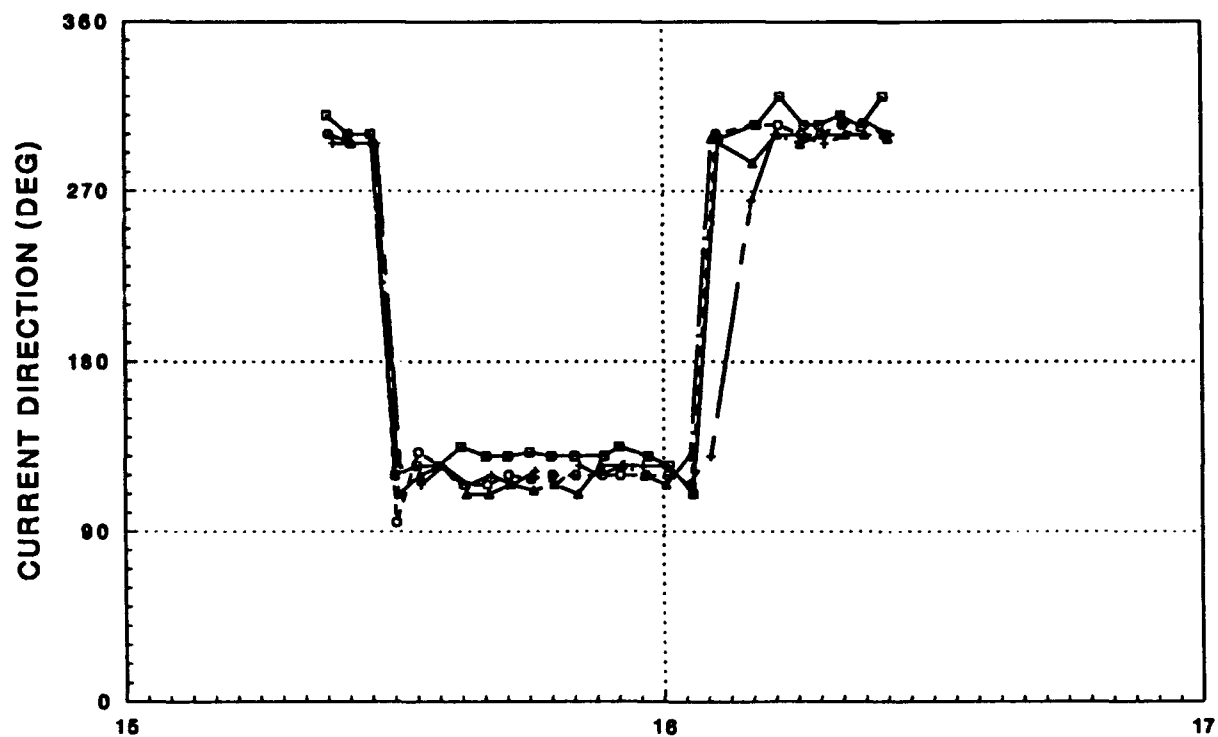
STATIONS:
 □ STATION 1, TOP
 ○ STATION 2, TOP
 △ STATION 3, TOP
 + STATION 4, TOP

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ STATION 1, MIDDLE
 ○ STATION 2, MIDDLE
 - - - STATION 3, MIDDLE
 ♦ STATION 4, MIDDLE

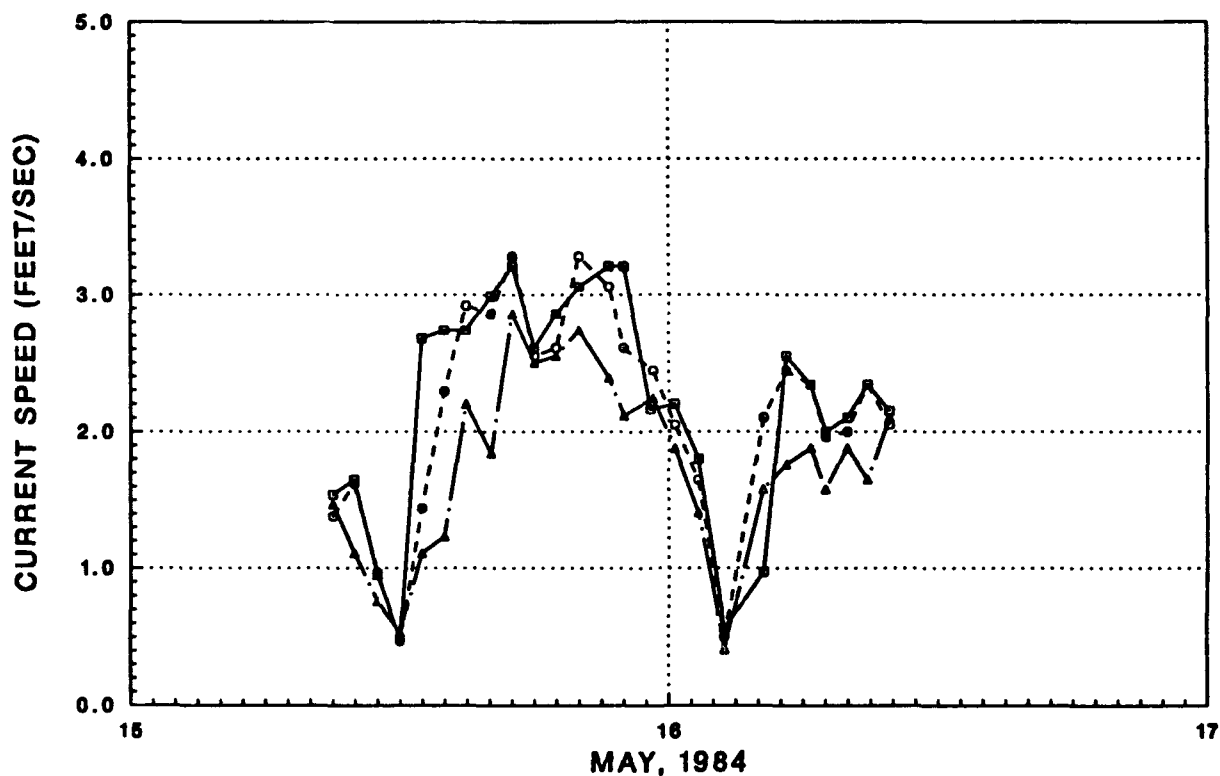
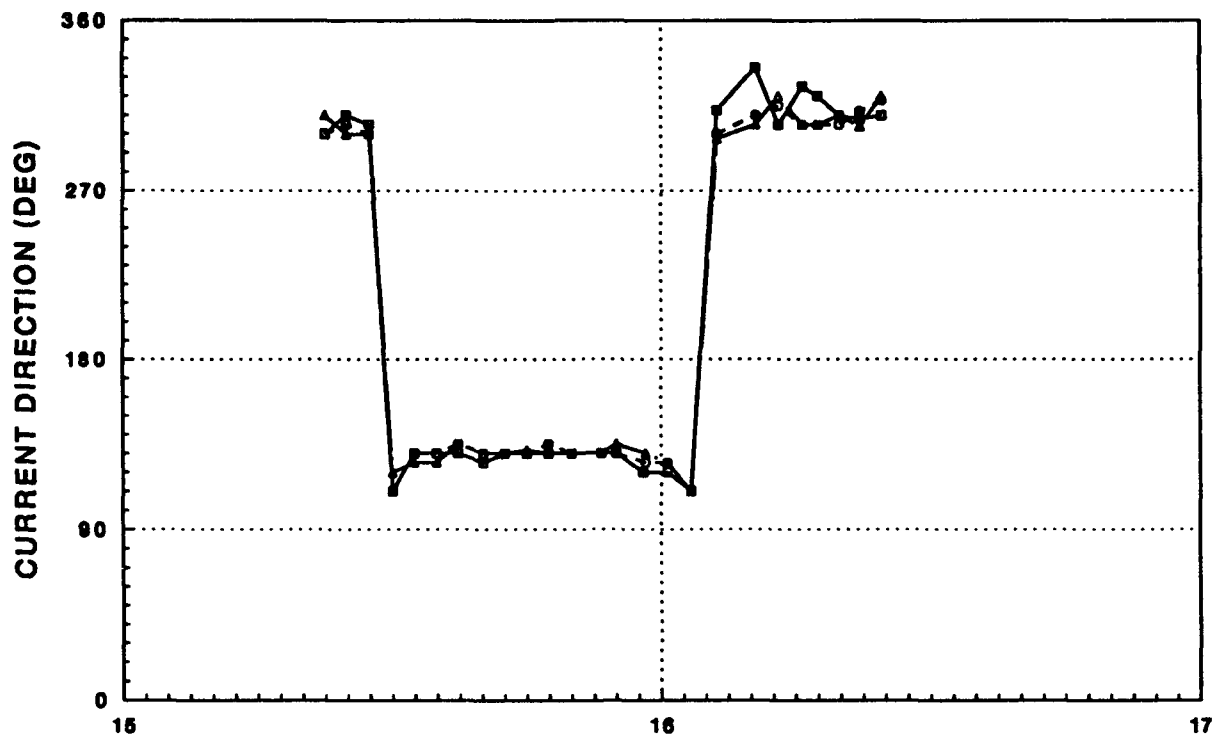
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:

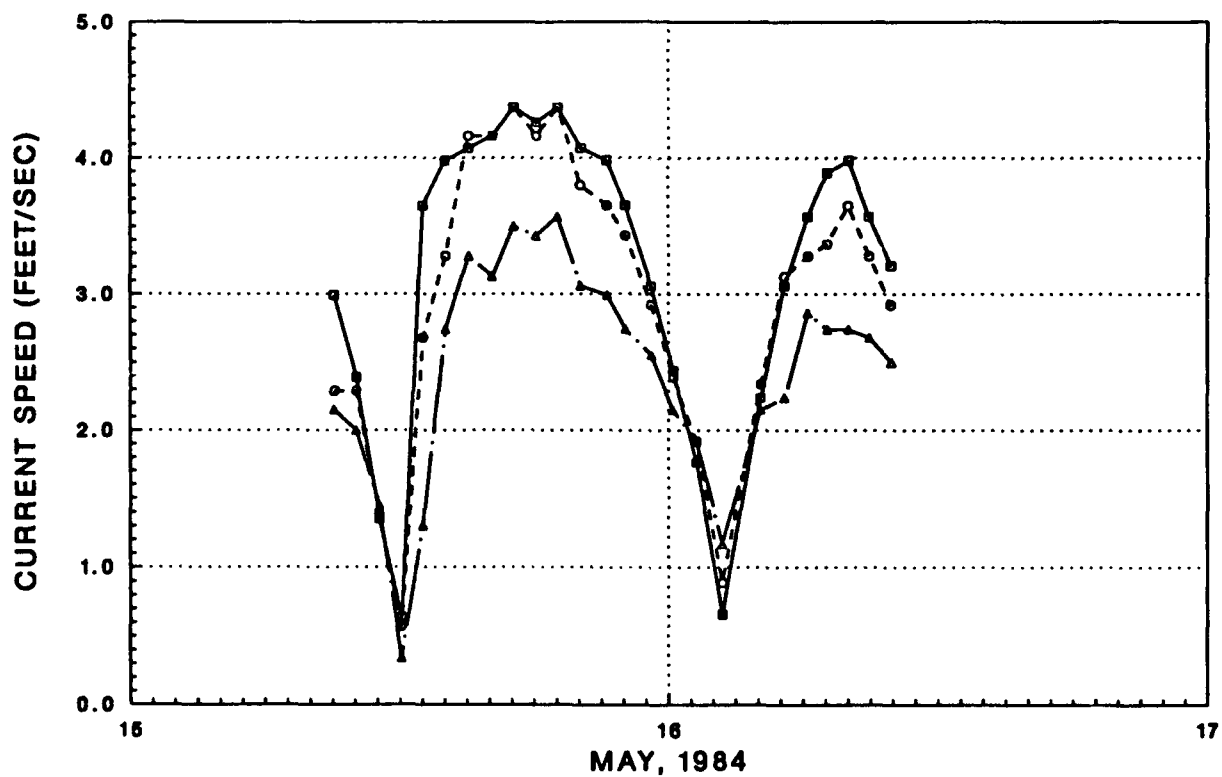
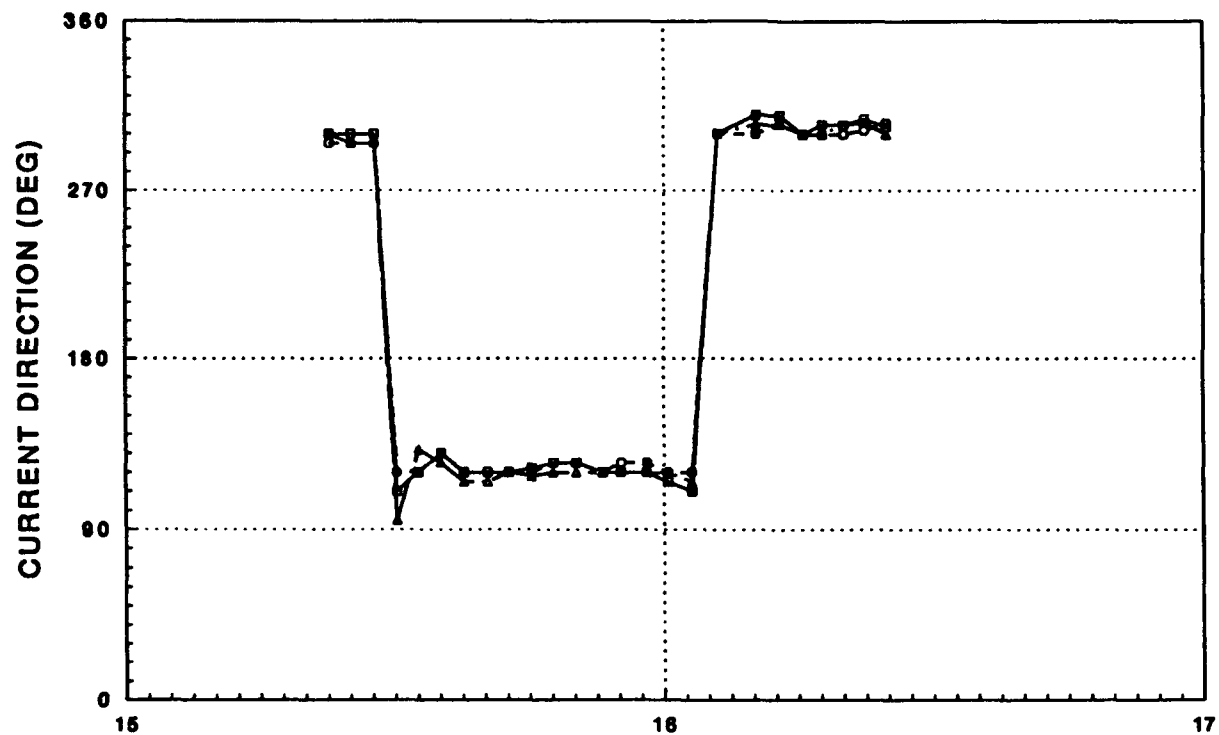
- STATION 1, BOTTOM
- STATION 2, BOTTOM
- △ STATION 3, BOTTOM
- ◆ STATION 4, BOTTOM

EAST PASS, FLORIDA
CURRENT VELOCITY CURVES



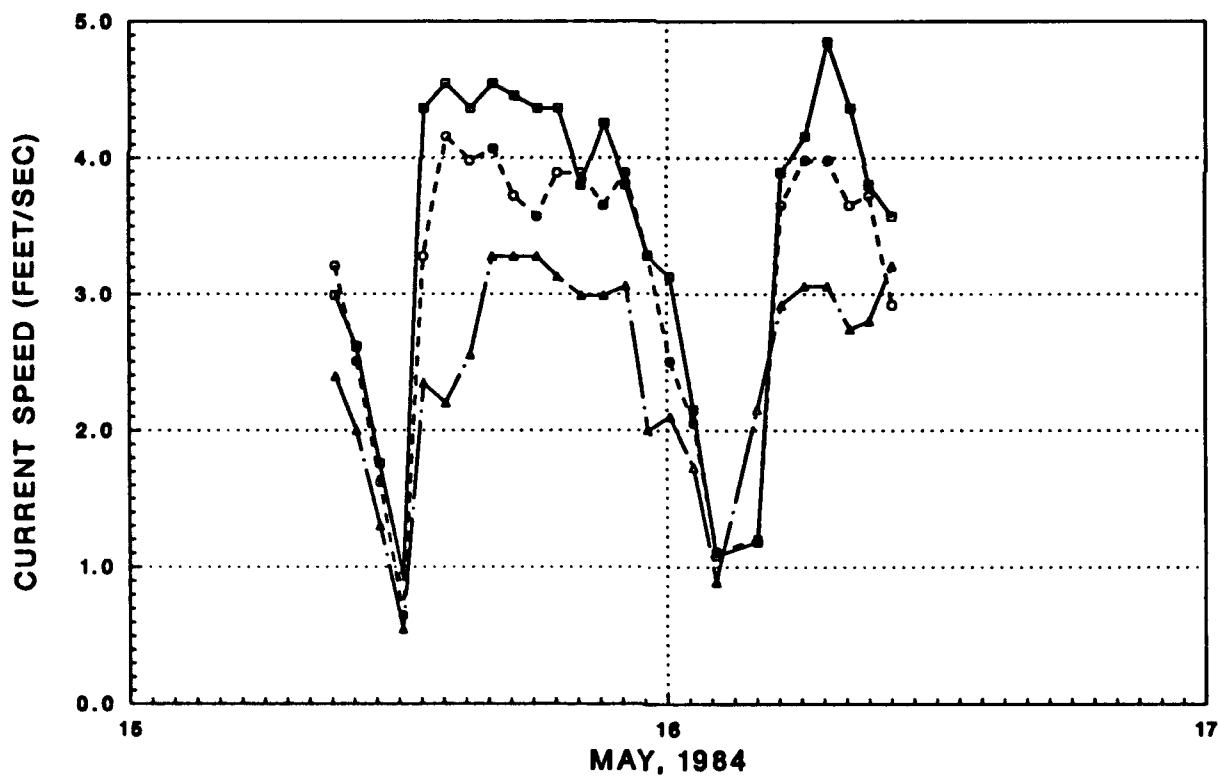
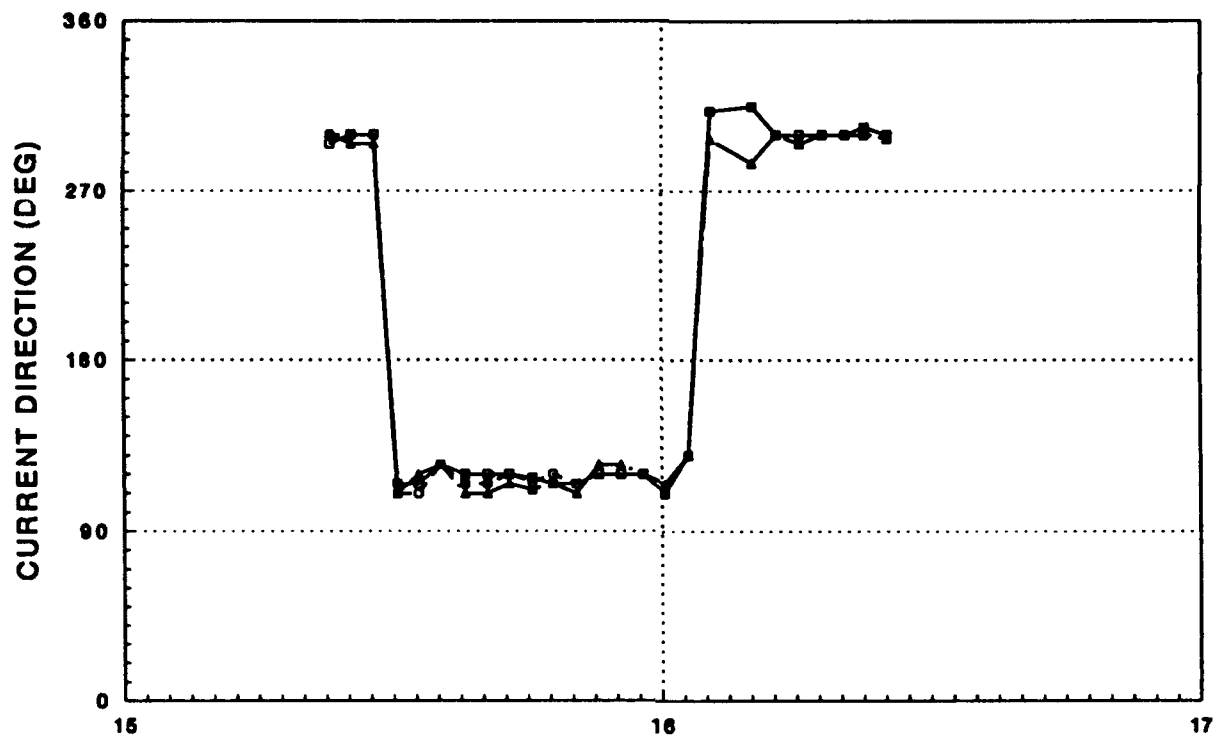
STATIONS:
 □ STATION 1, TOP
 ○ STATION 1, MIDDLE
 ▲ STATION 1, BOTTOM

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



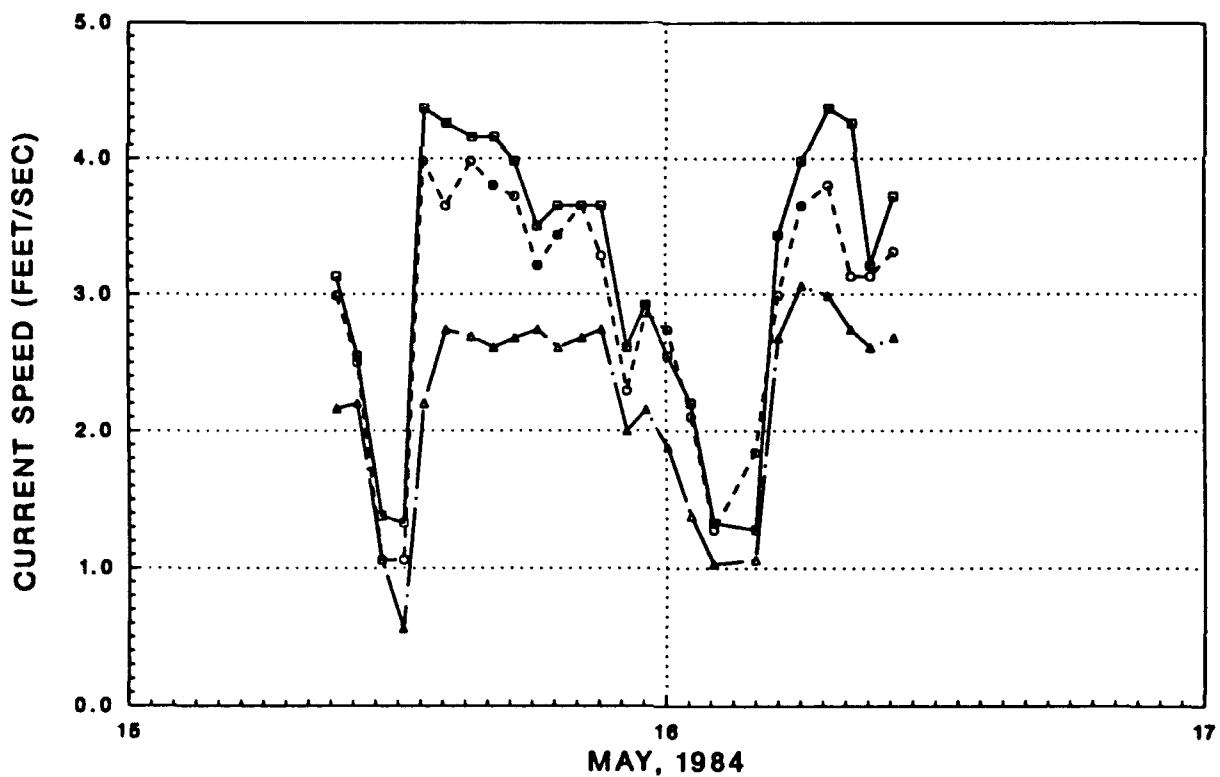
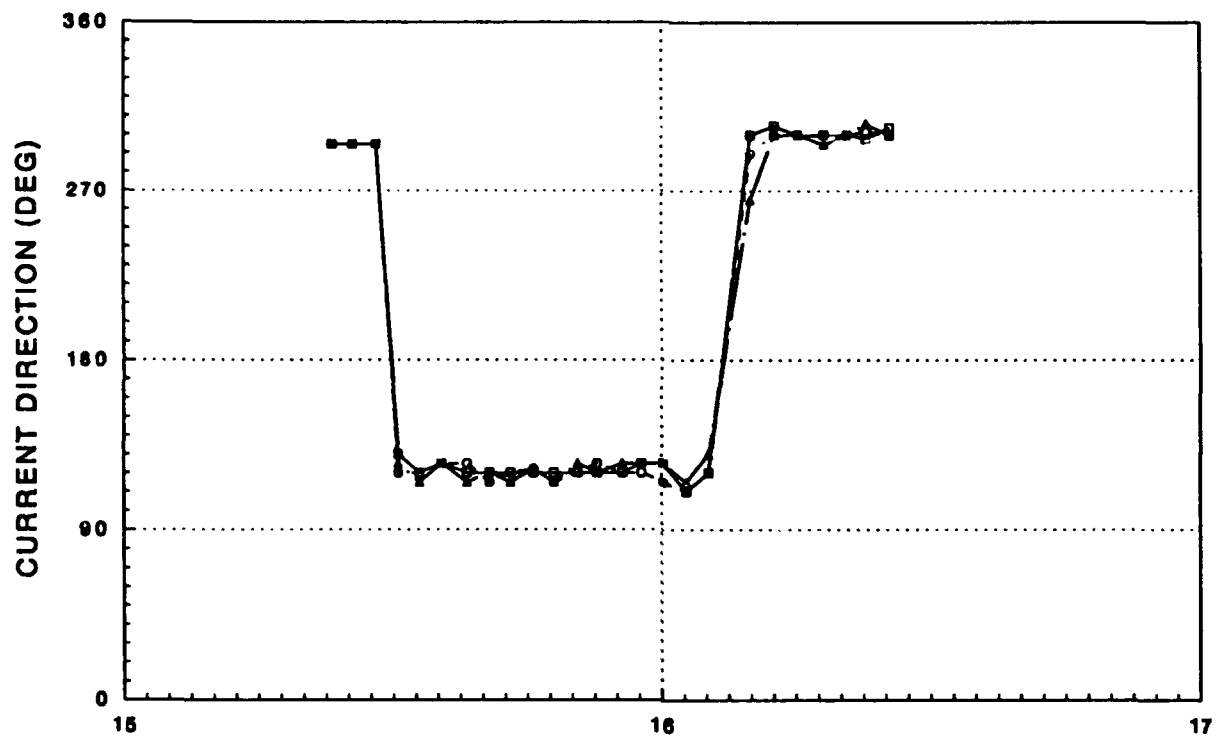
STATIONS:
 □ STATION 2, TOP
 ○ STATION 2, MIDDLE
 ▲ STATION 2, BOTTOM

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



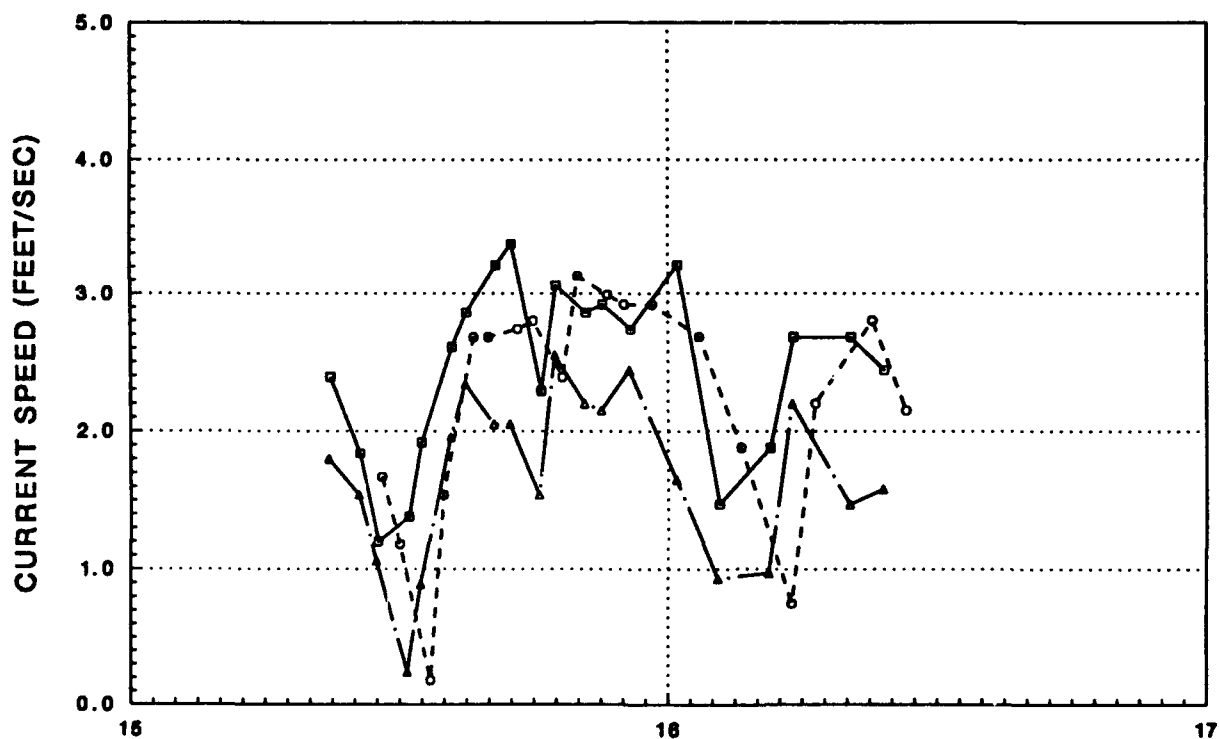
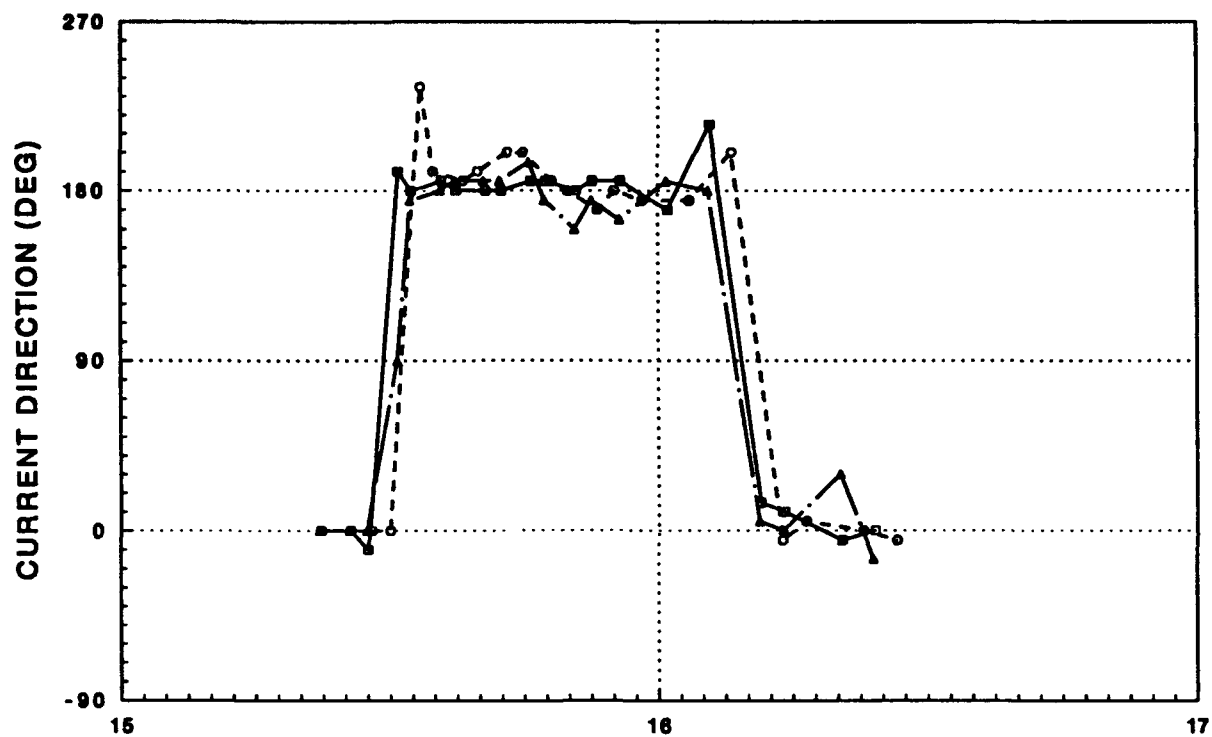
STATIONS:
 □ STATION 3, TOP
 ○ STATION 3, MIDDLE
 △ STATION 3, BOTTOM

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ STATION 4, TOP
 ○ STATION 4, MIDDLE
 ▲ STATION 4, BOTTOM

EAST PASS, FLORIDA
 CURRENT VELOCITY CURVES

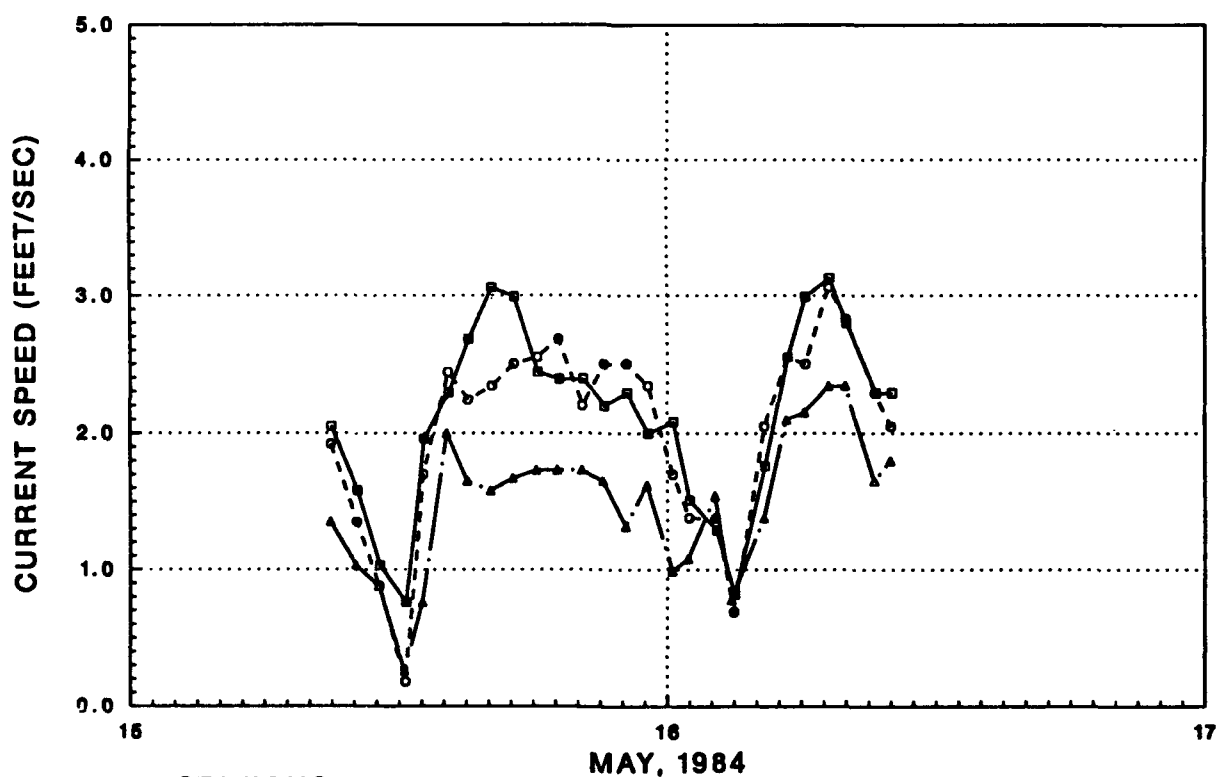
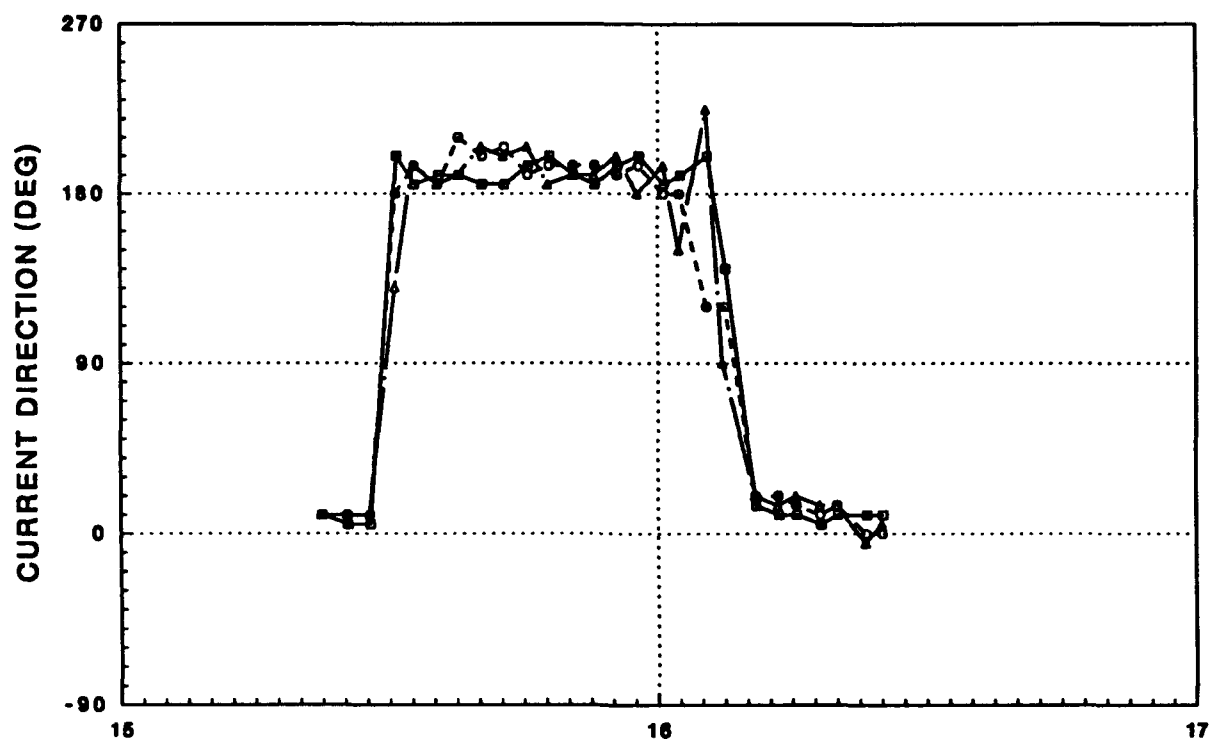


STATIONS:

- E. CHANNEL, R. BANK, TOP
- E. CHANNEL, R. BANK, MID.
- ▲ E. CHANNEL, R. BANK, BOT.

MAY, 1984

**EAST PASS, FLORIDA
CURRENT VELOCITY CURVES**

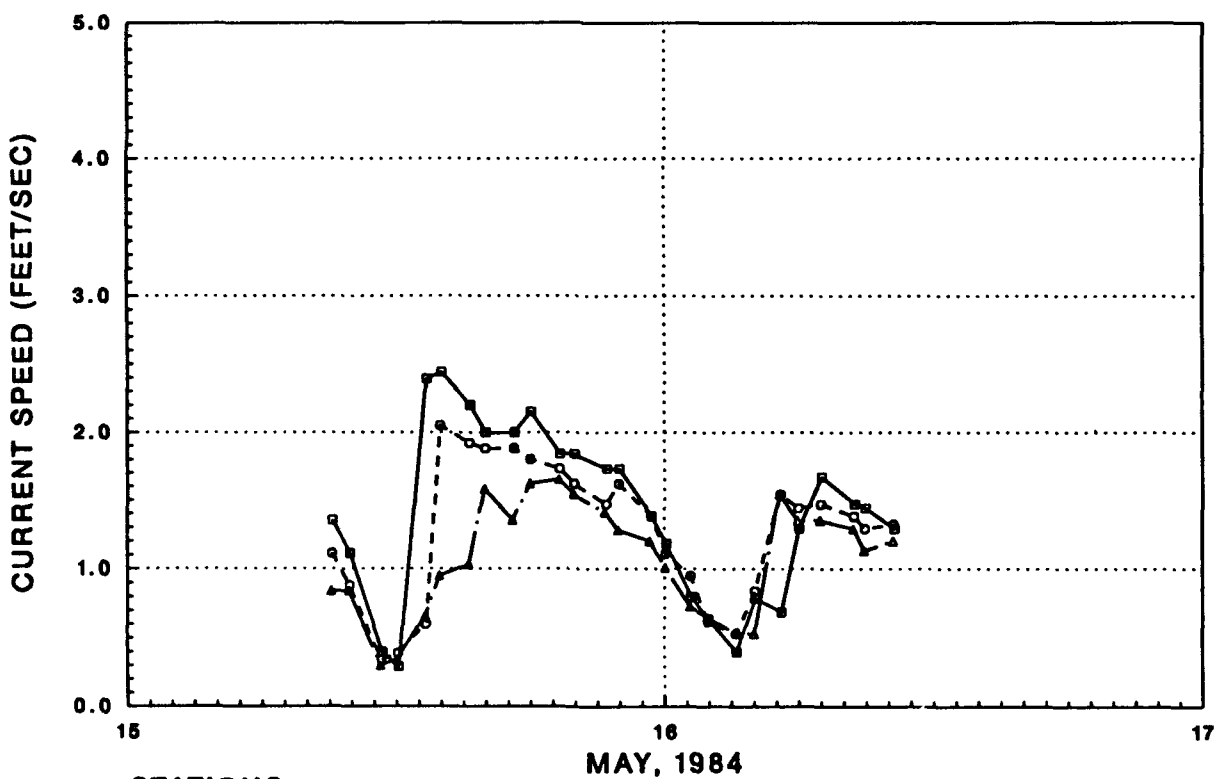
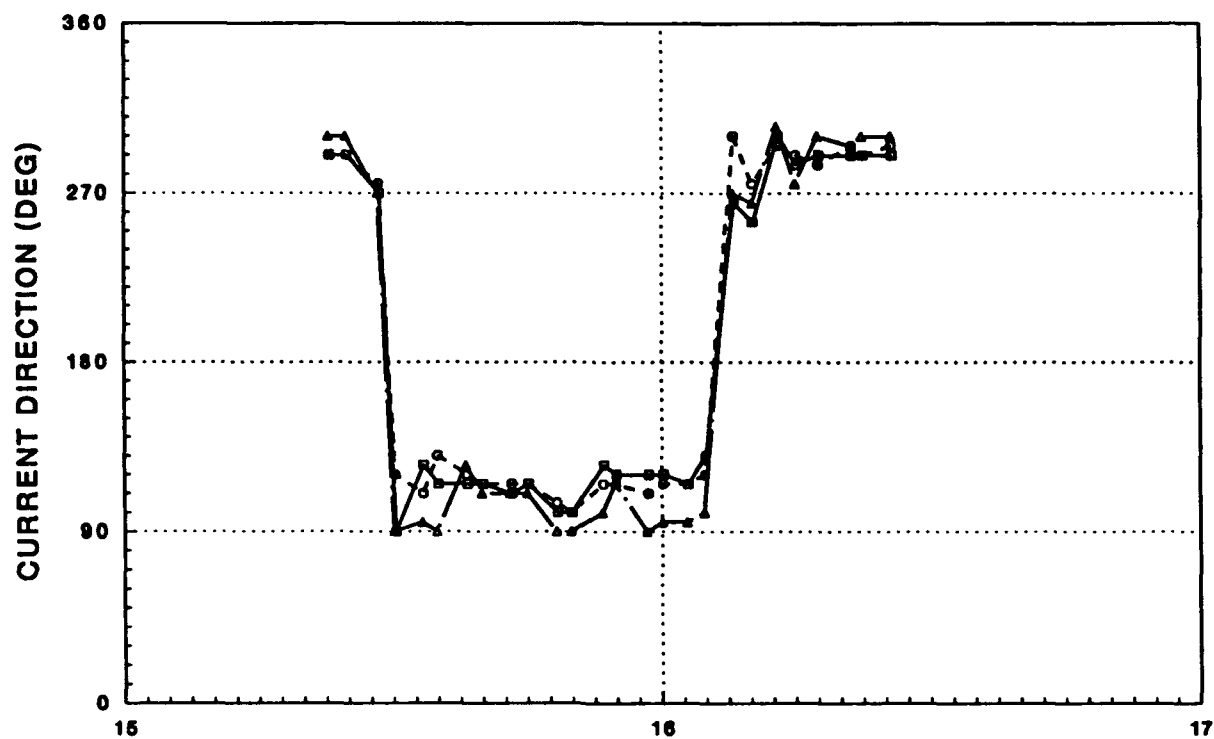


STATIONS:

- E. CHANNEL, L. BANK, TOP
- E. CHANNEL, L. BANK, MID.
- △ E. CHANNEL, L. BANK, BOT.

MAY, 1984

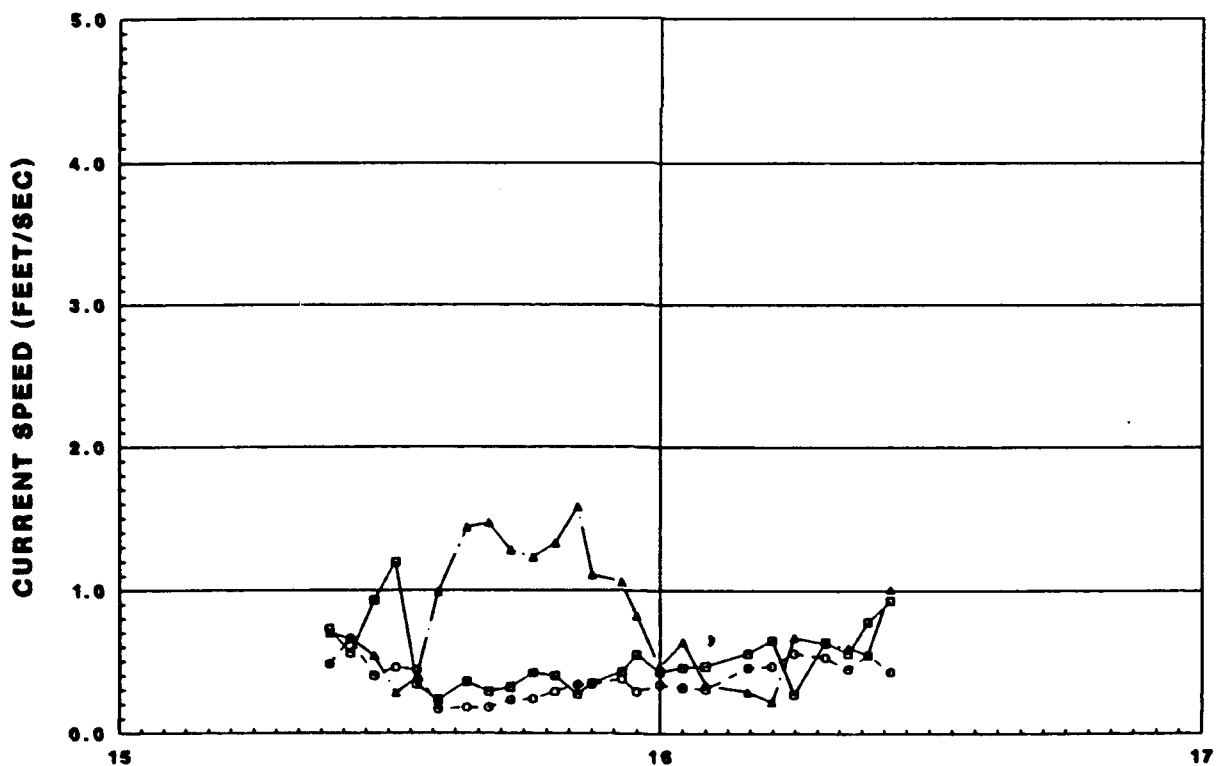
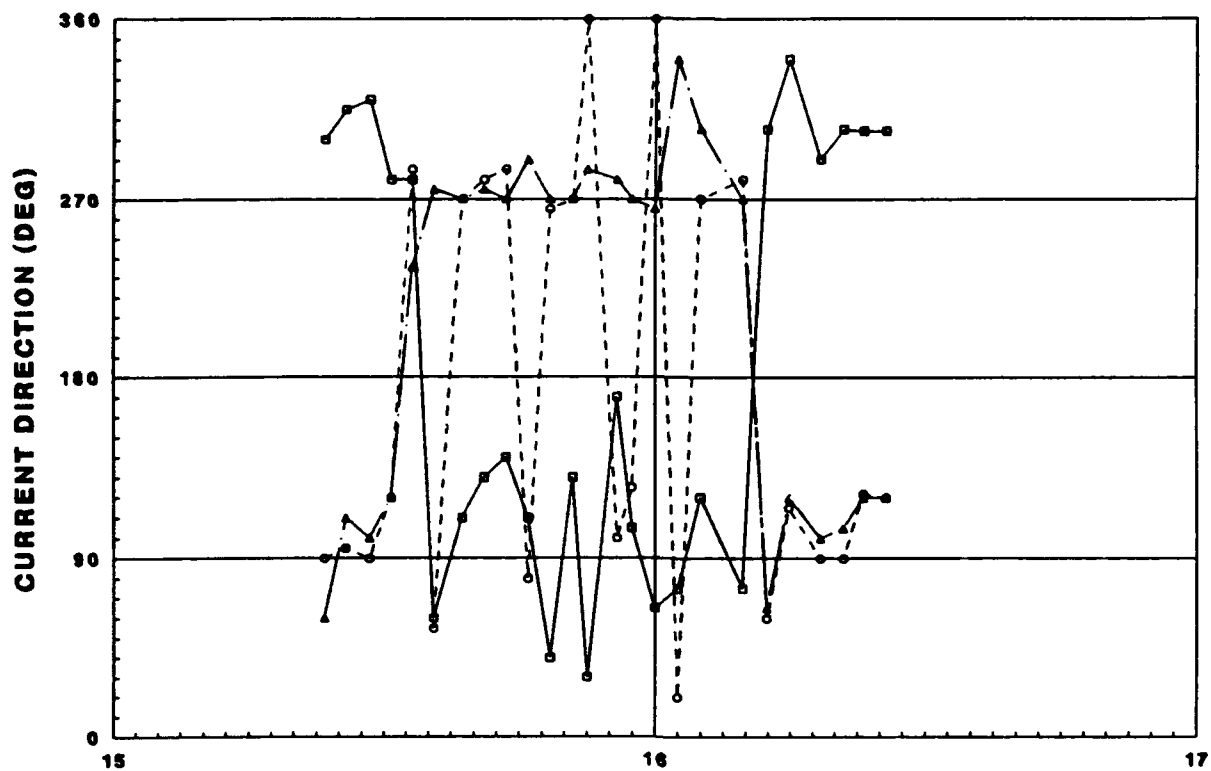
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ WEST CHANNEL, TOP
 ○ WEST CHANNEL, MID.
 ▲ WEST CHANNEL, BOT.

MAY, 1984

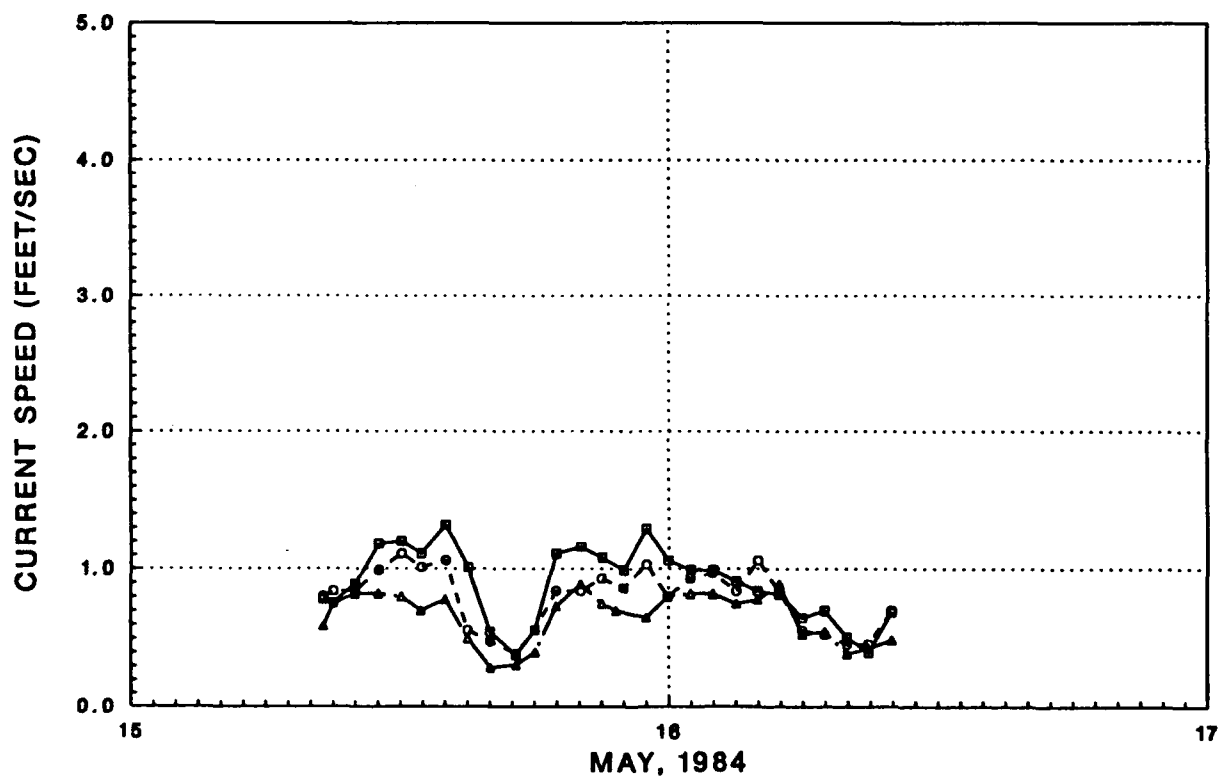
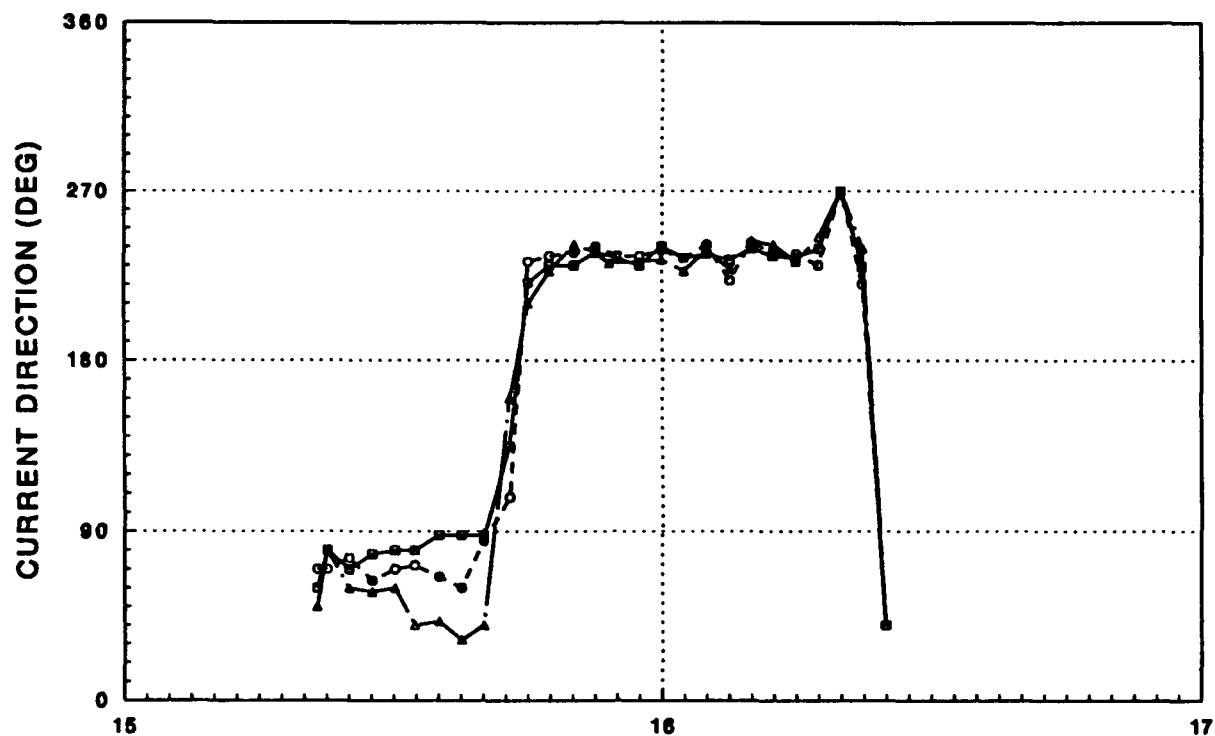
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 ○ MOUTH OLD PASS, TOP
 ○ MOUTH OLD PASS, MIDDLE
 ○ MOUTH OLD PASS, BOTTOM

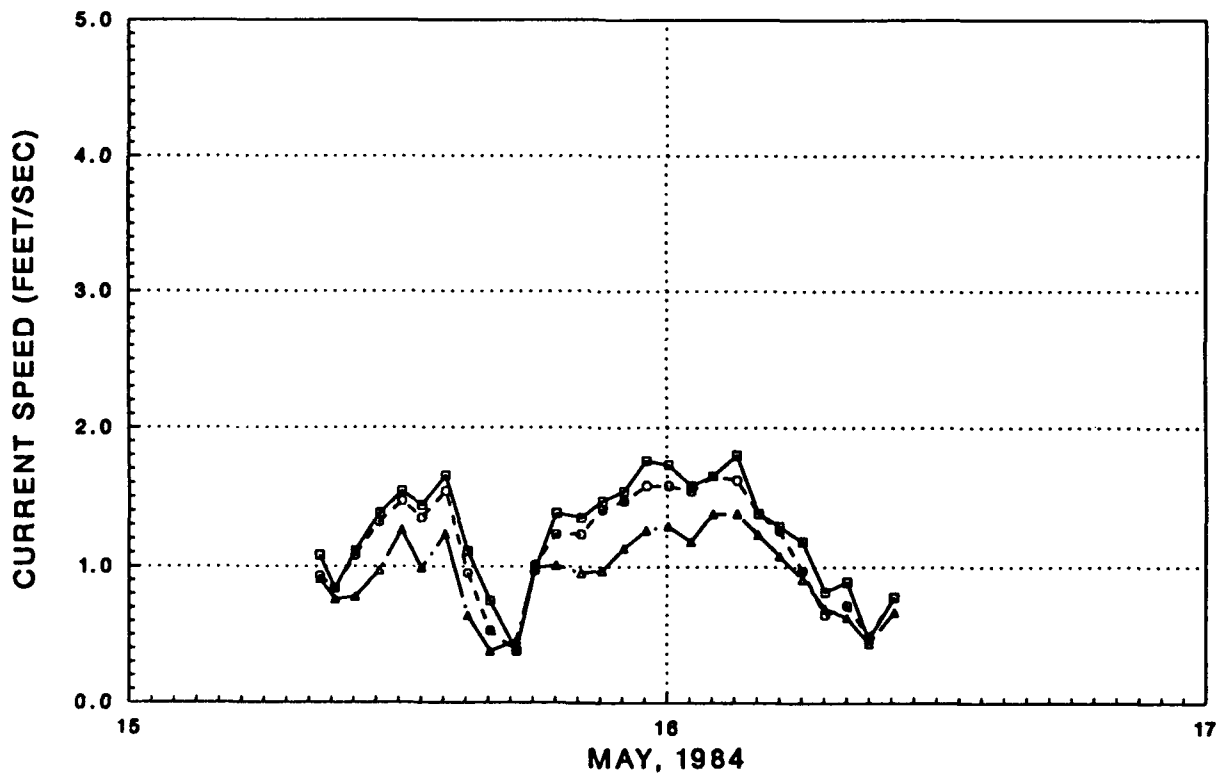
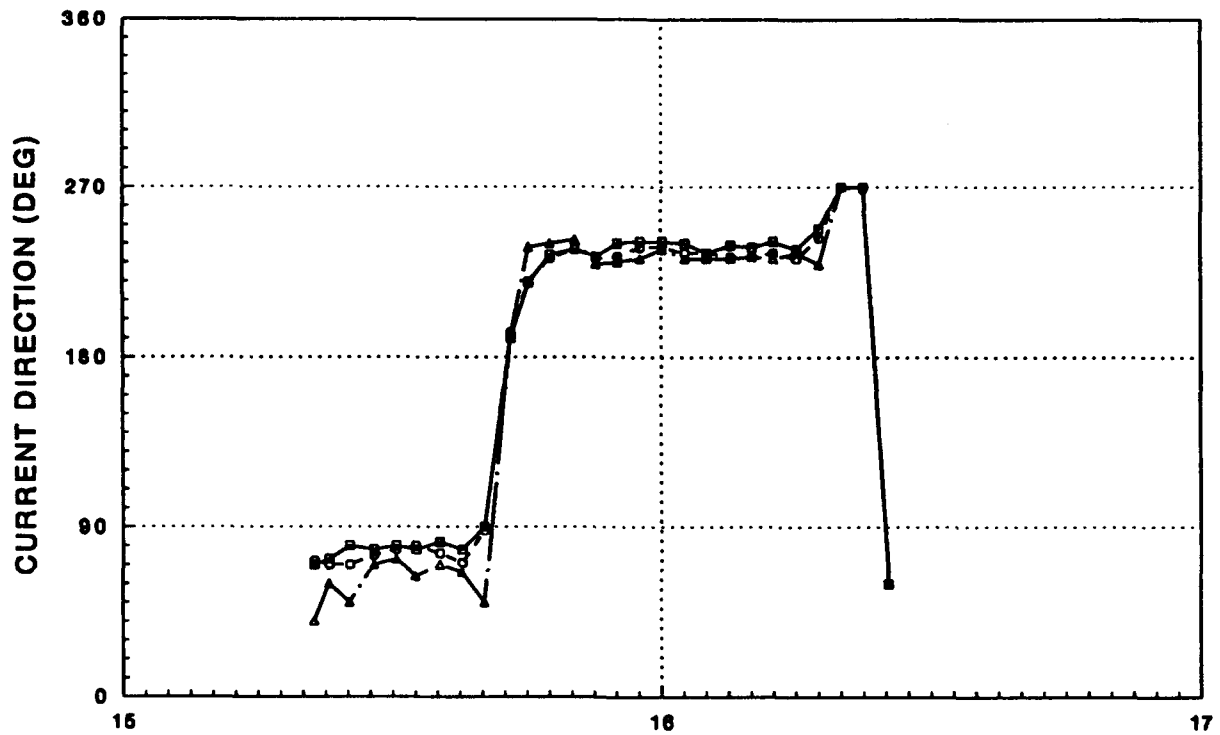
MAY, 1984

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ SANTA ROSA S., NORTH, TOP
 ○ SANTA ROSA S., NORTH, MID.
 ▲ SANTA ROSA S., NORTH, BOT.

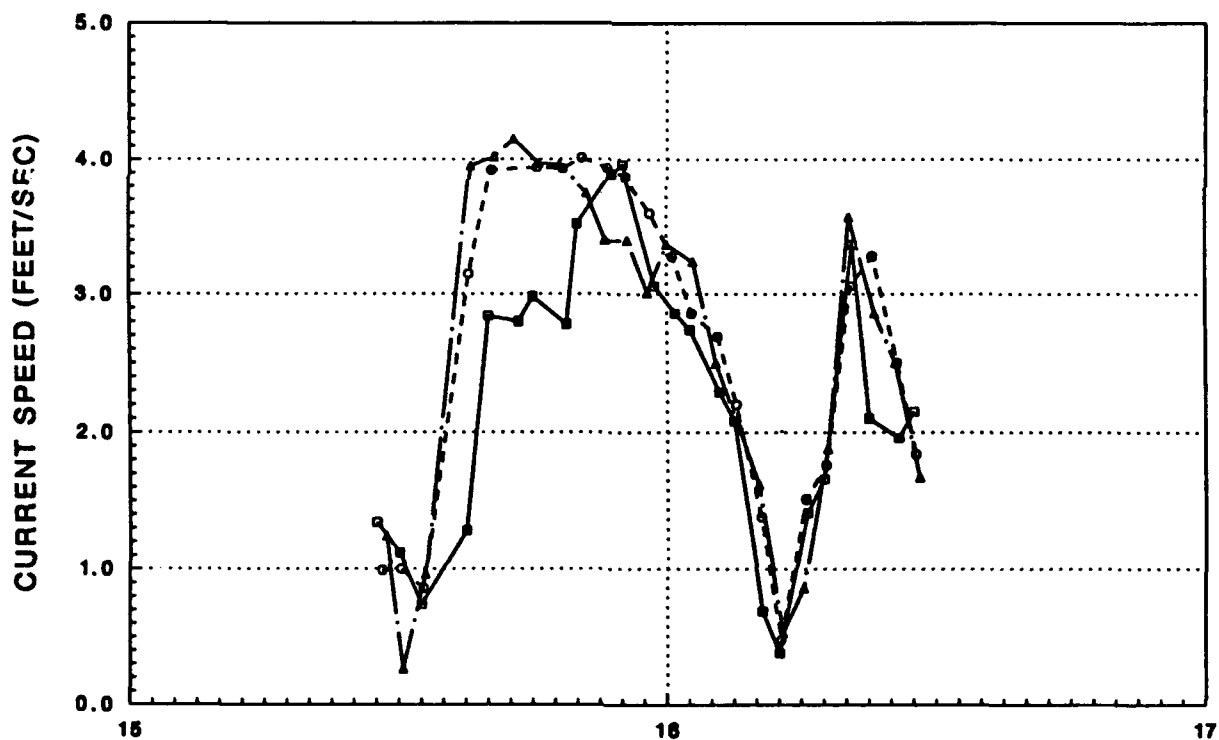
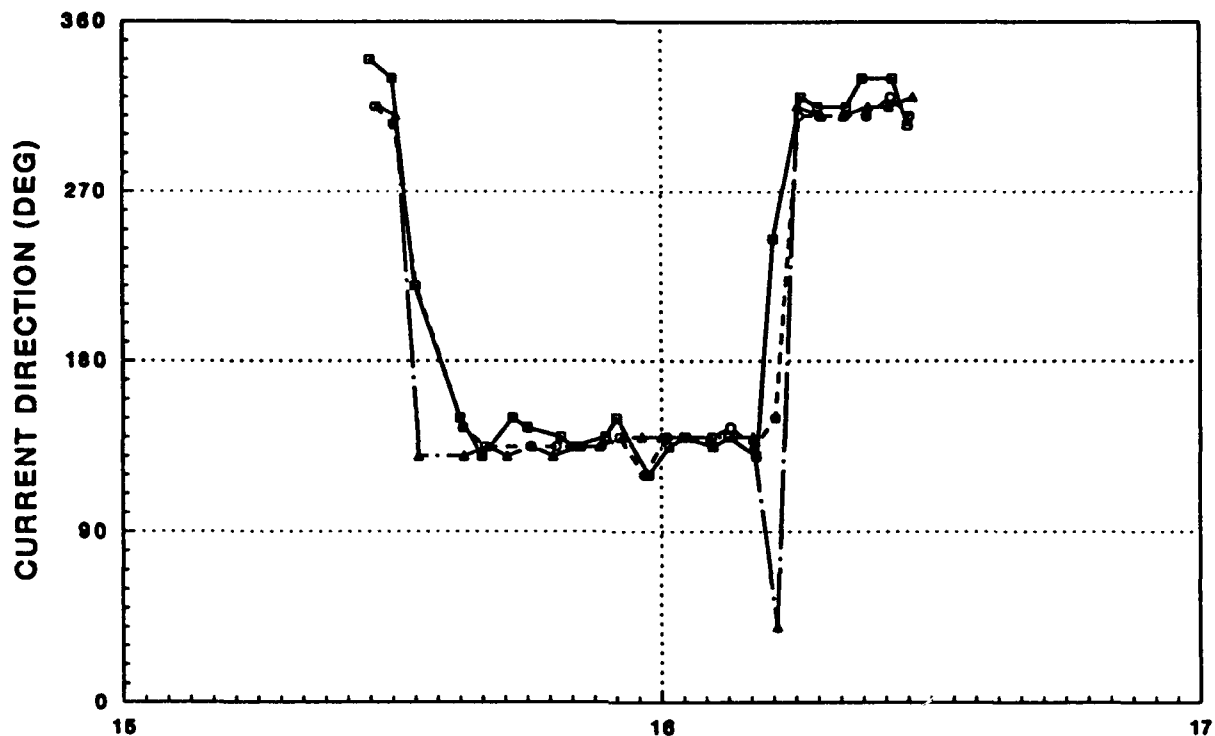
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ SANTA ROSA S., SOUTH, TOP
 ○ SANTA ROSA S., SOUTH, MID.
 ▲ SANTA ROSA S., SOUTH, BOT.

EAST PASS, FLORIDA
 CURRENT VELOCITY CURVES

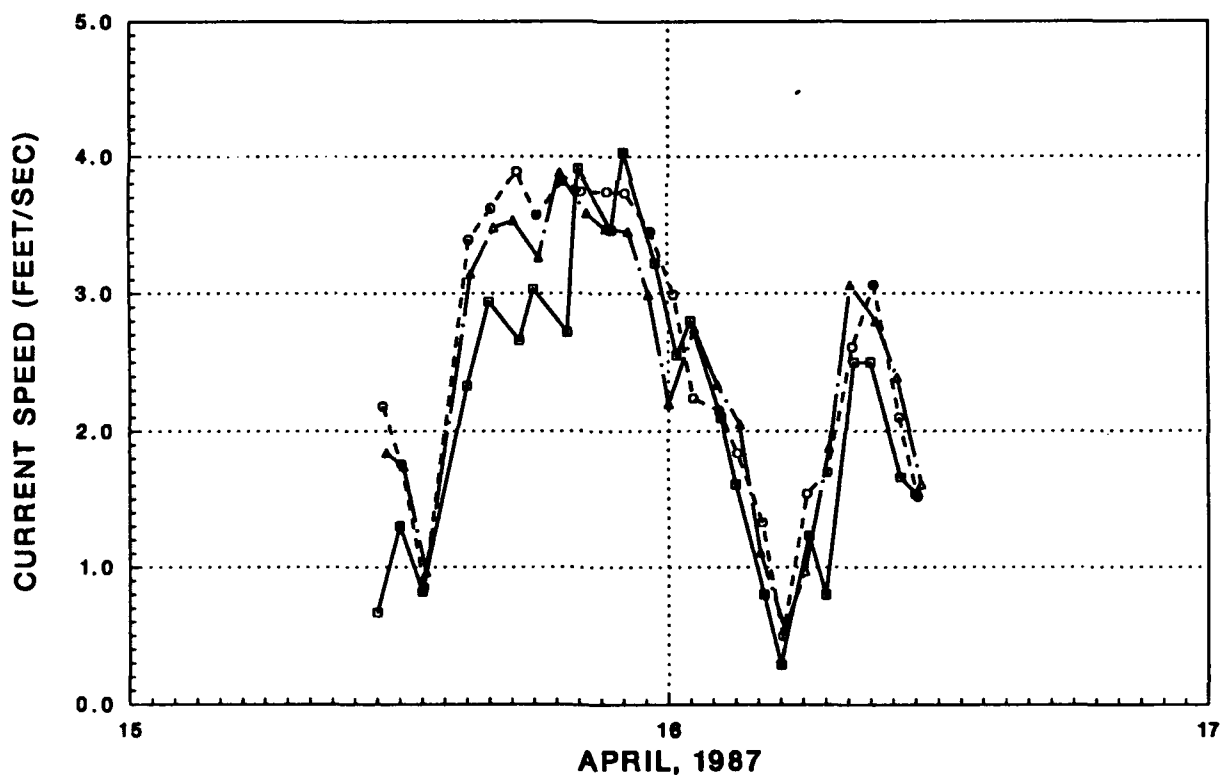
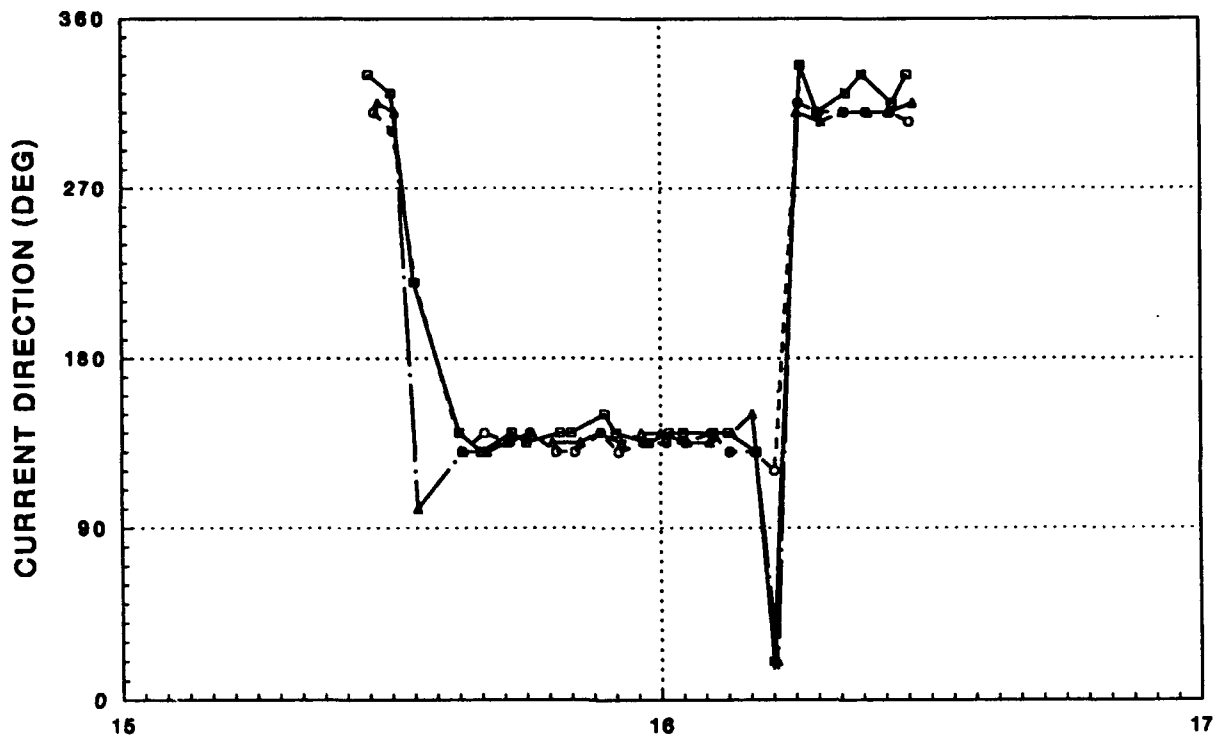
**Appendix K
Current Velocity and
Direction Curves, East
Pass Main Channel,
April 1987**



APRIL, 1987

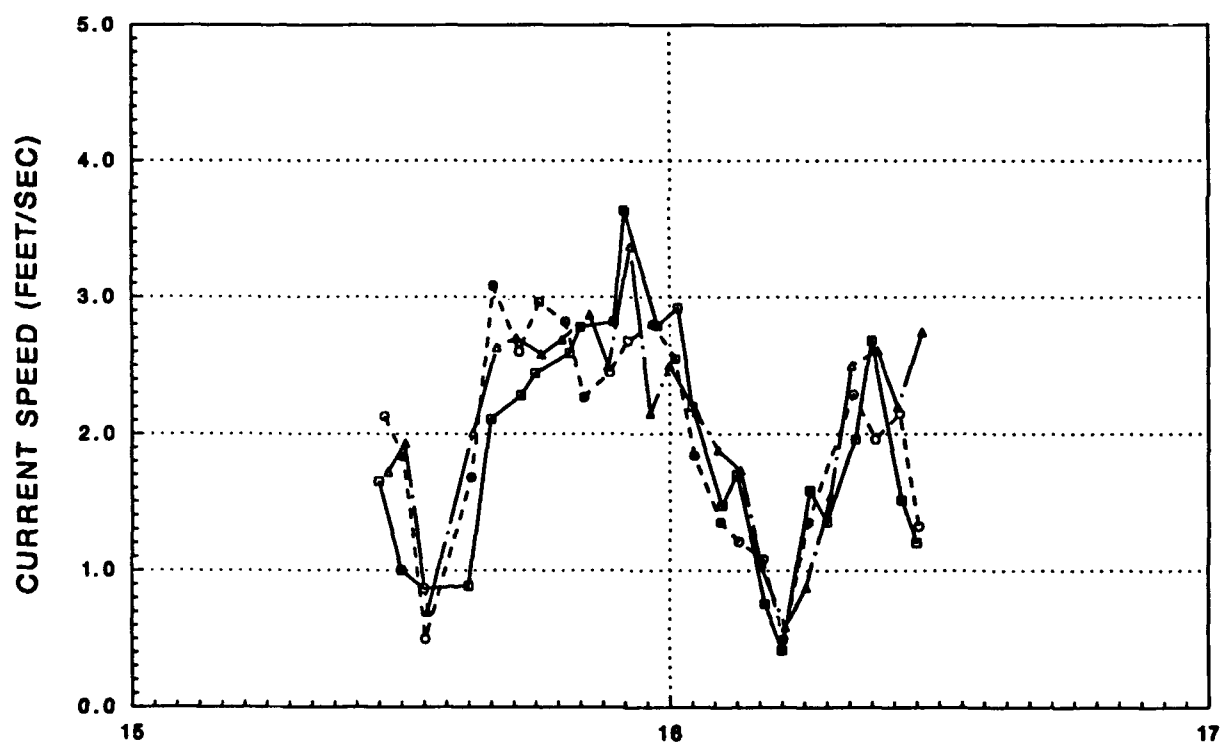
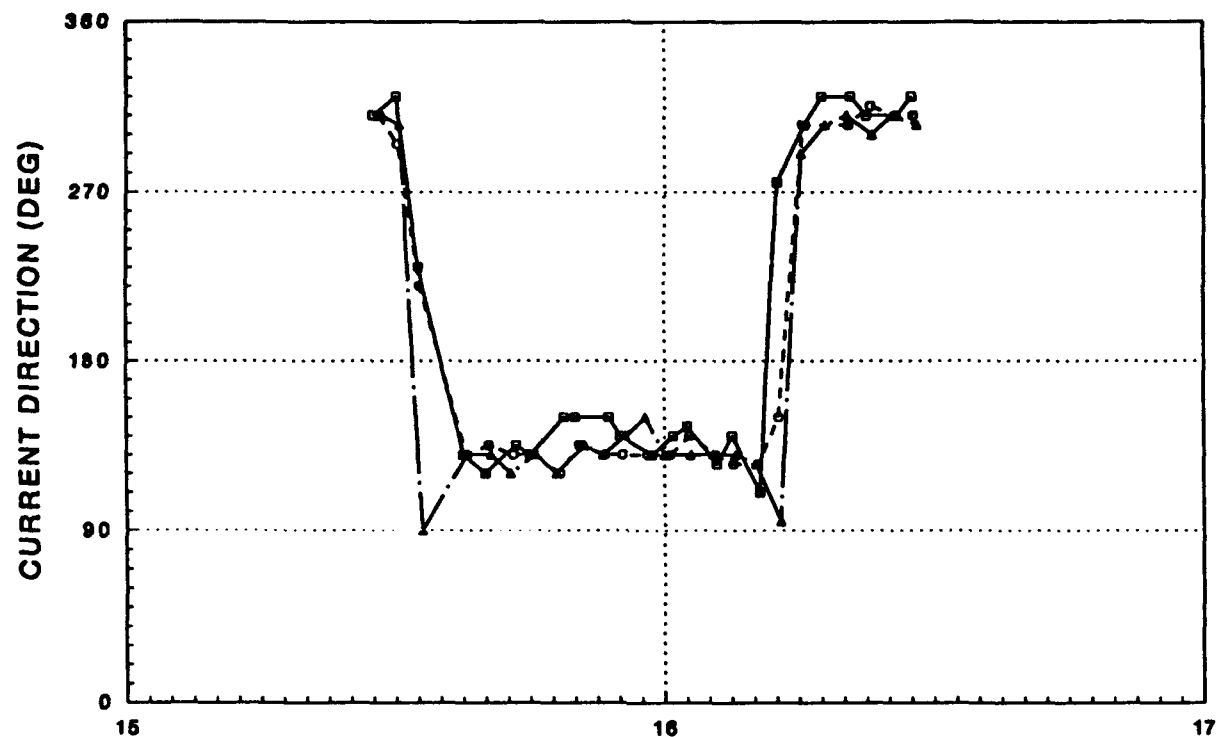
STATIONS:
 □ STATION 1, TOP
 ○ STATION 3, TOP
 ▲ STATION 4, TOP

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ STATION 1, MIDDLE
 ○ STATION 3, MIDDLE
 ▲ STATION 4, MIDDLE

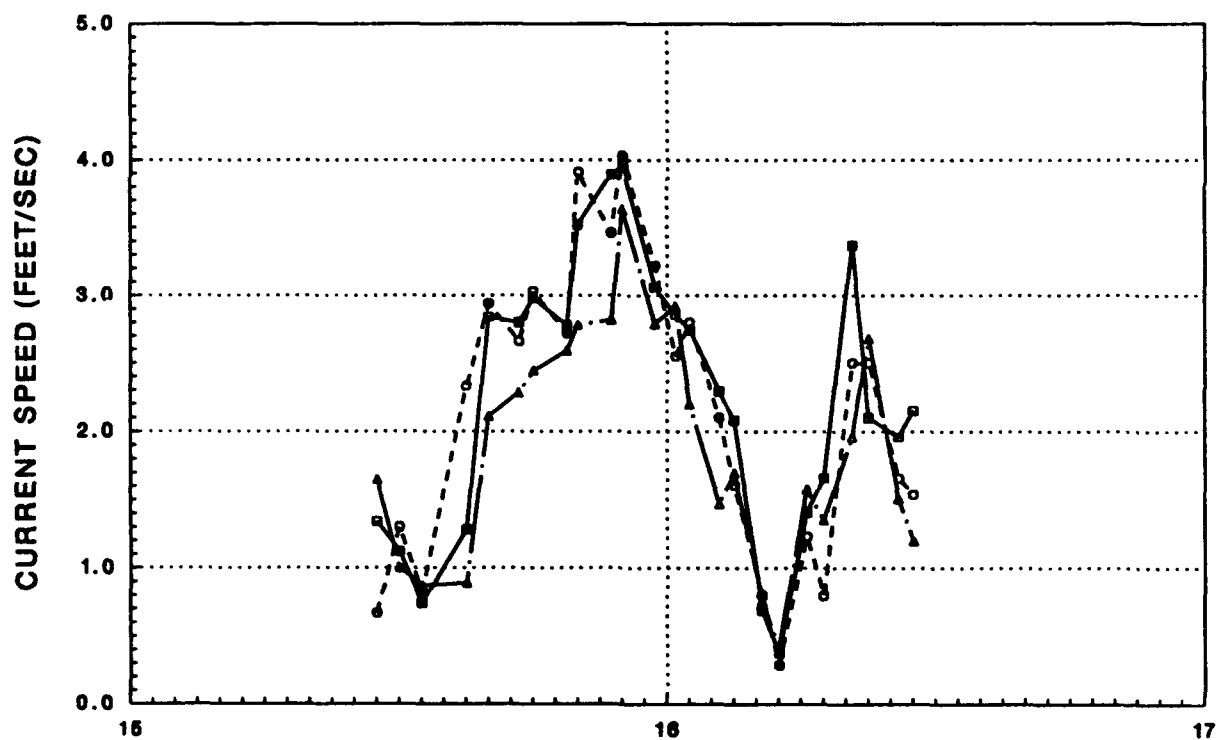
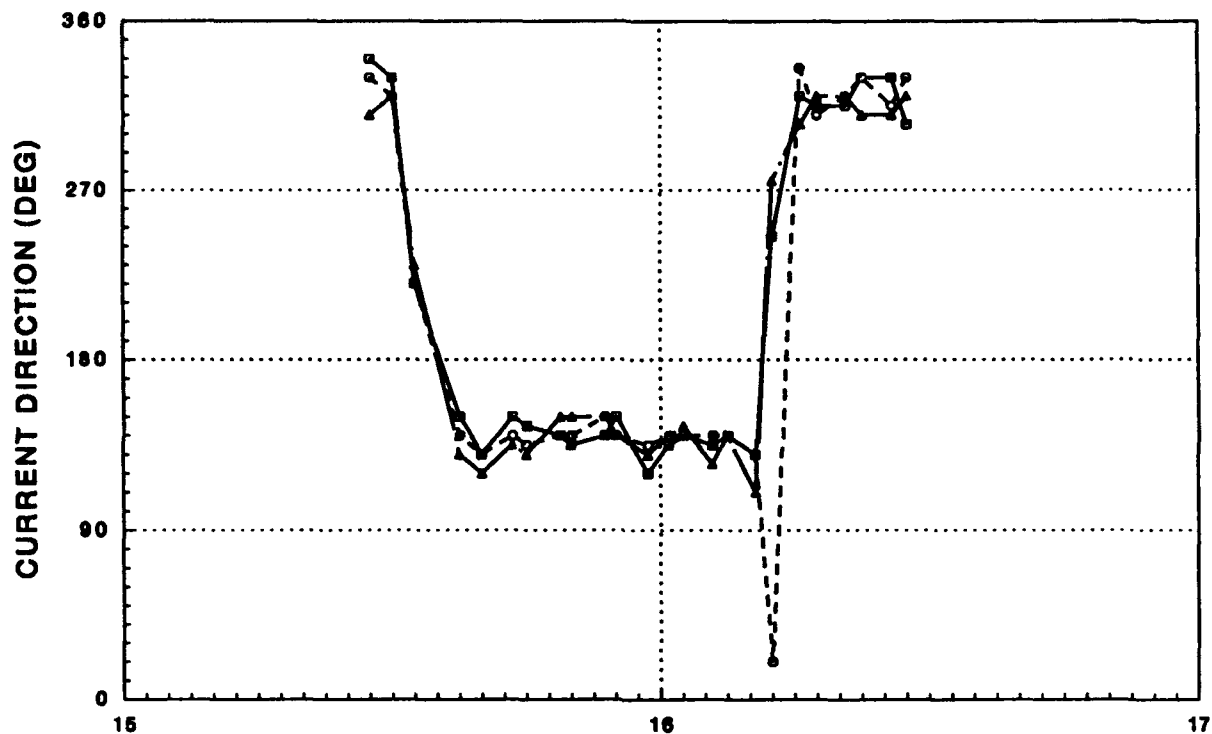
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 □ STATION 1, BOTTOM
 ○ STATION 3, BOTTOM
 ▲ STATION 4, BOTTOM

APRIL, 1987

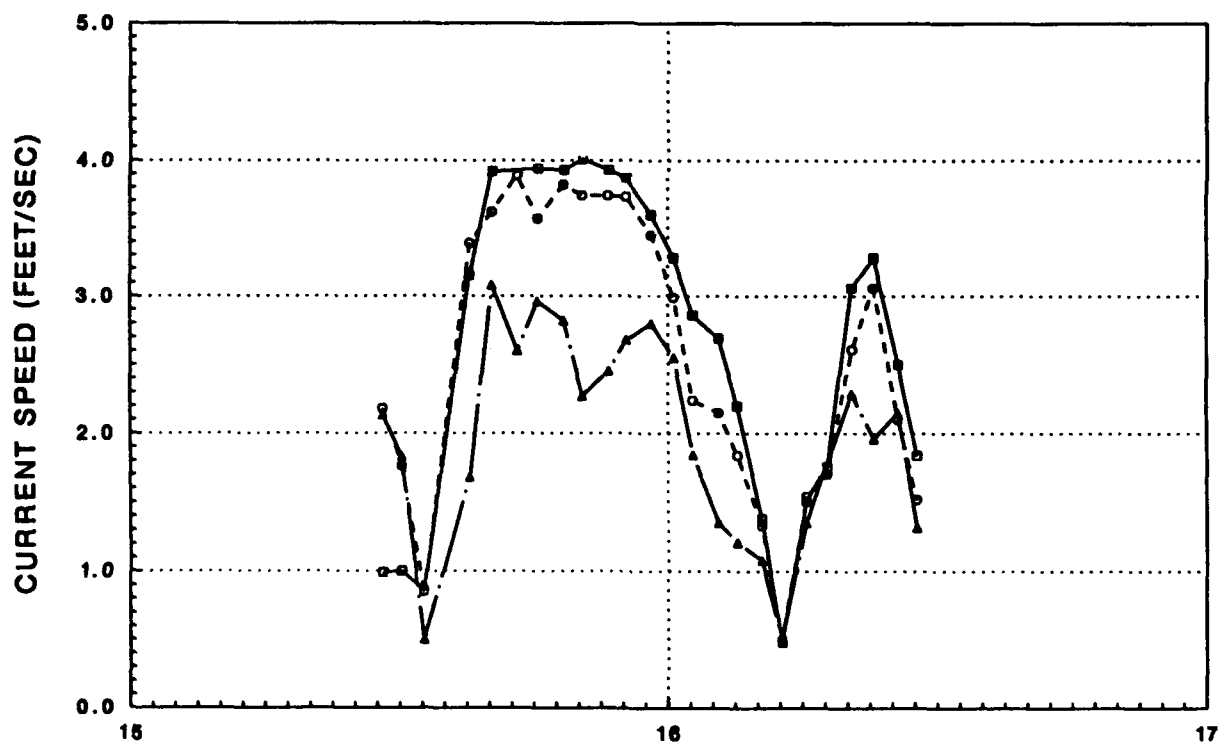
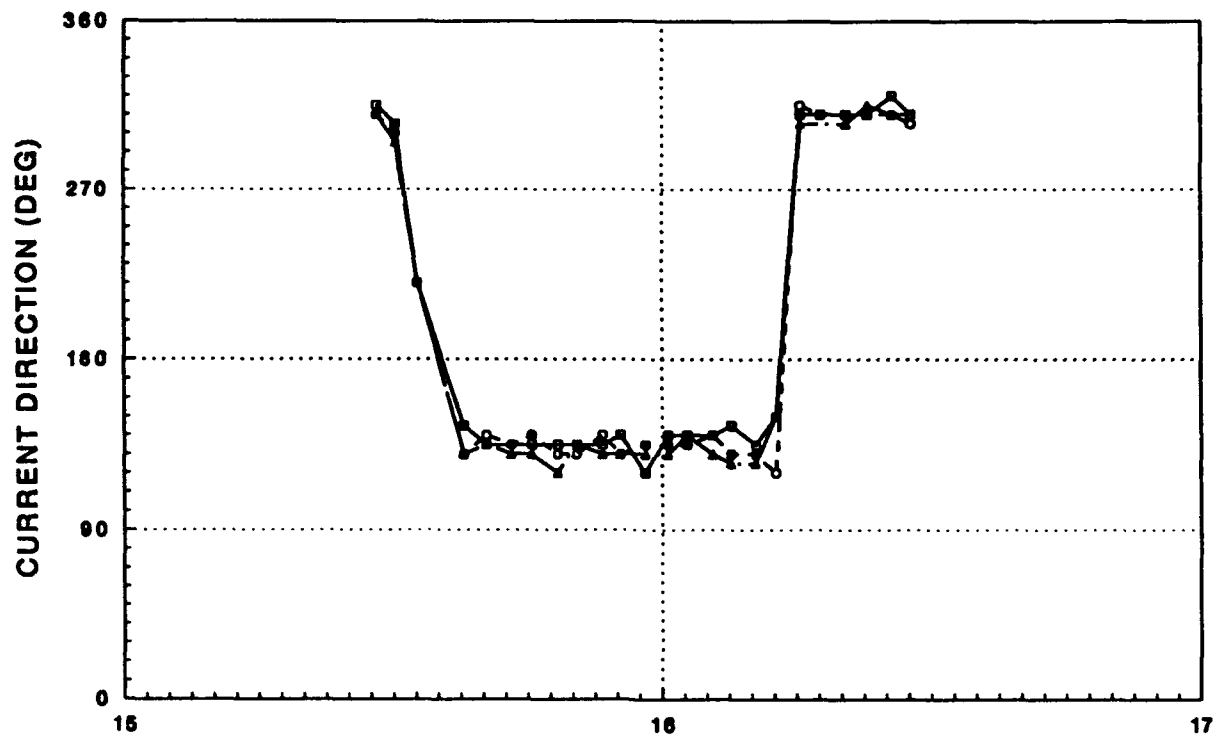
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



APRIL, 1987

STATIONS:
 □ STATION 1, TOP
 ○ STATION 1, MIDDLE
 ▲ STATION 1, BOTTOM

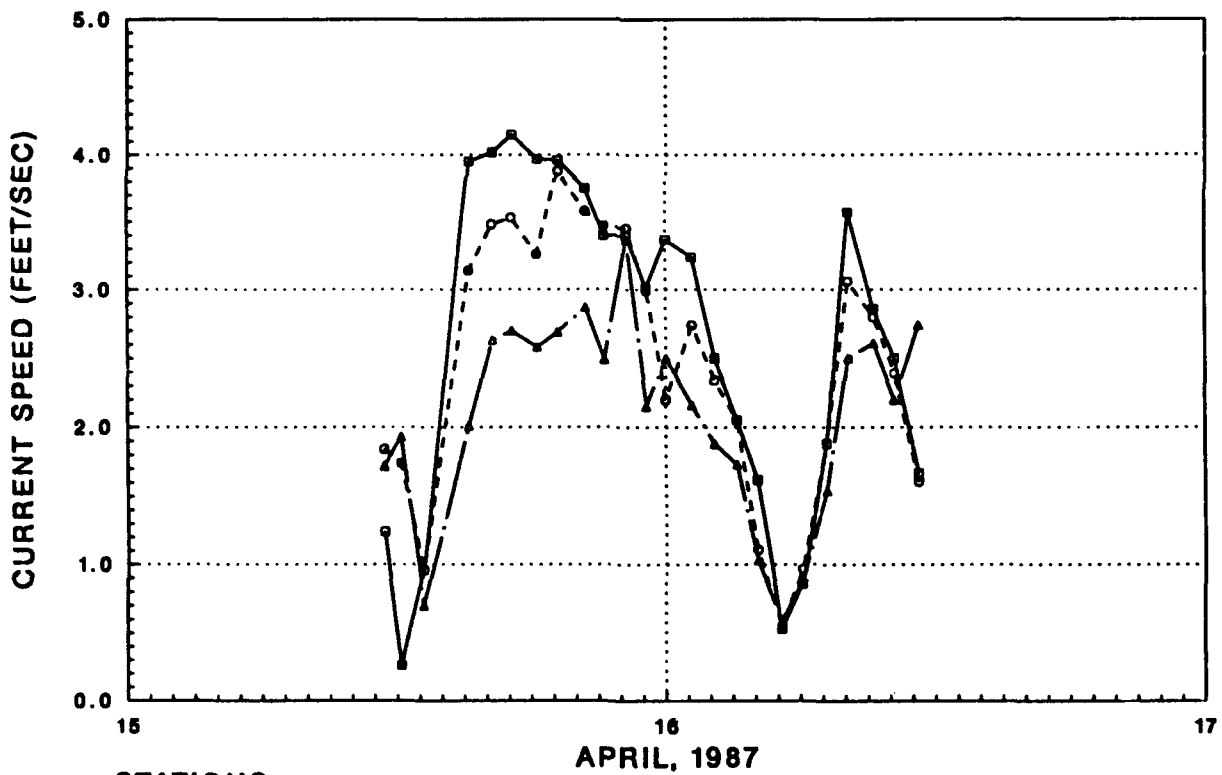
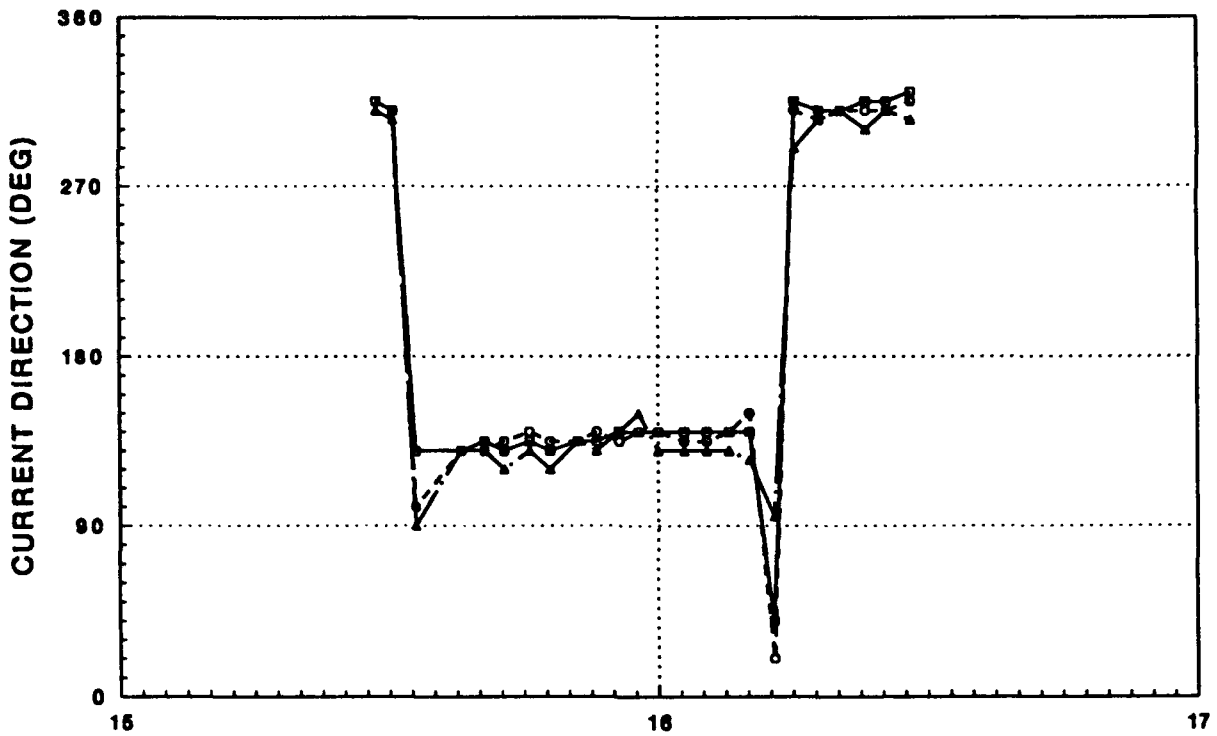
EAST PASS, FLORIDA CURRENT VELOCITY CURVES



APRIL, 1987

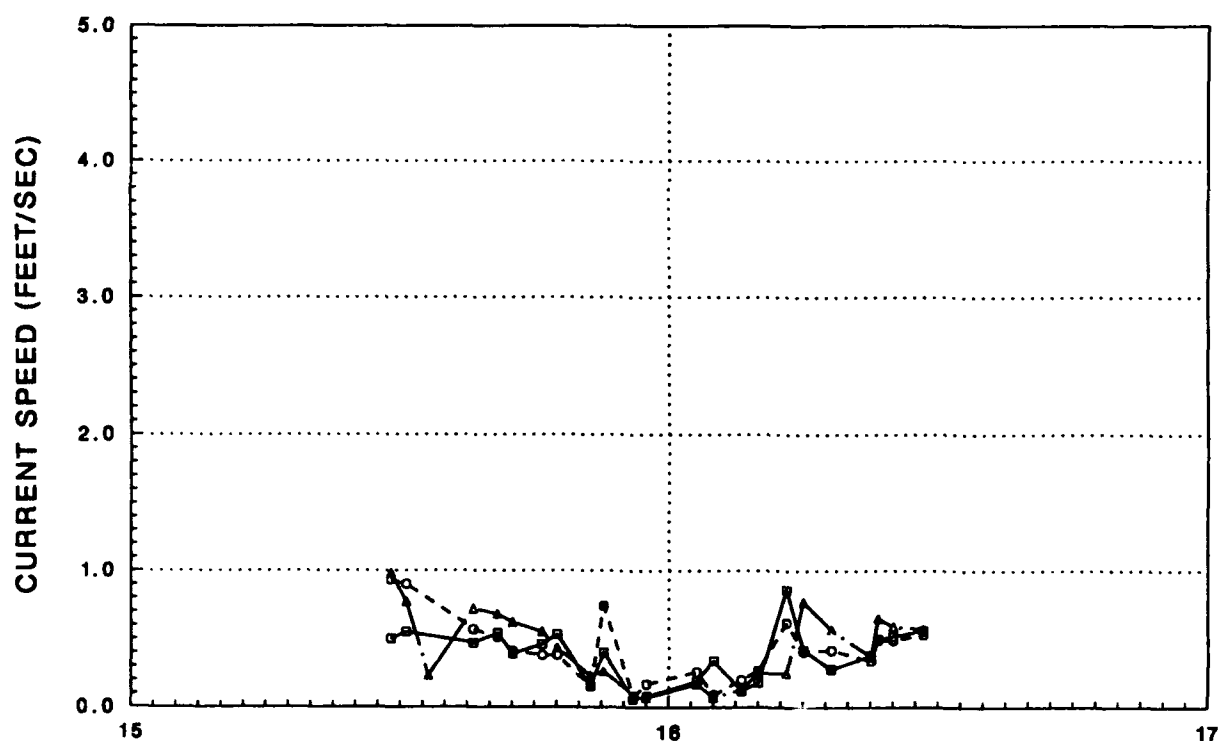
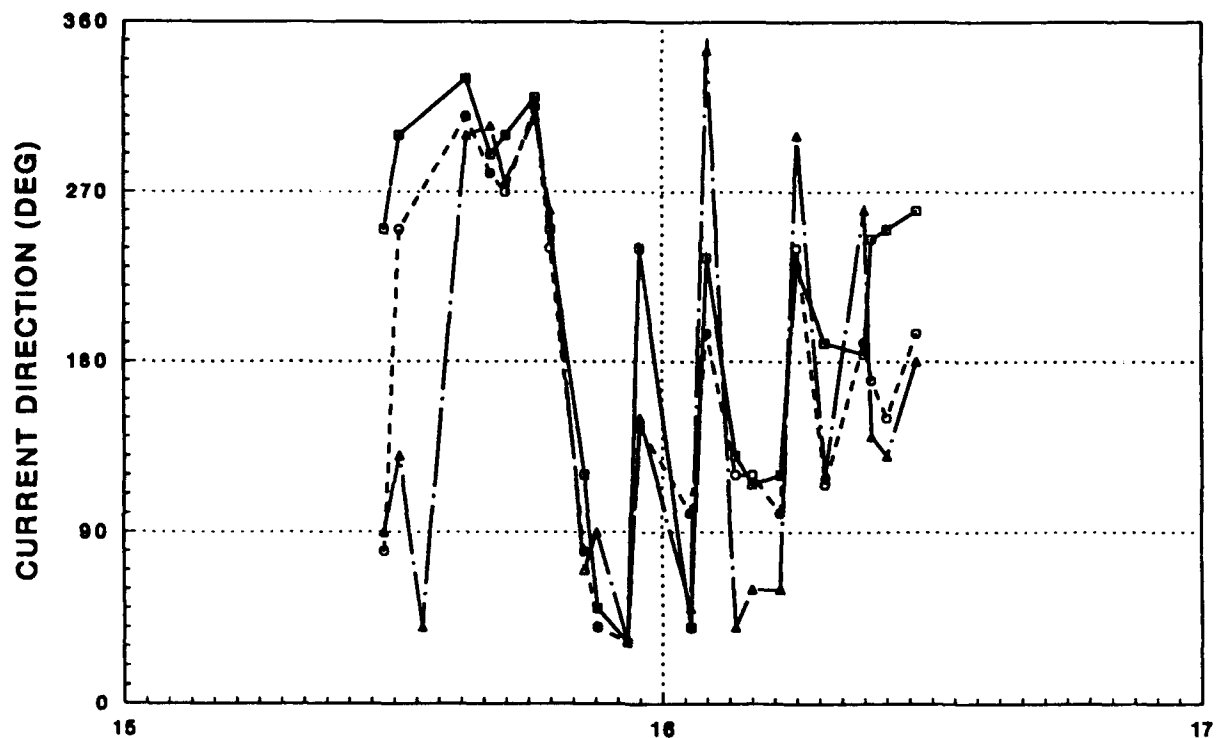
STATIONS:
 ○ STATION 3, TOP
 ○ STATION 3, MIDDLE
 ▲ STATION 3, BOTTOM

EAST PASS, FLORIDA CURRENT VELOCITY CURVES



STATIONS:
 ○ STATION 4, TOP
 ○ STATION 4, MIDDLE
 ▲ STATION 4, BOTTOM

EAST PASS, FLORIDA CURRENT VELOCITY CURVES

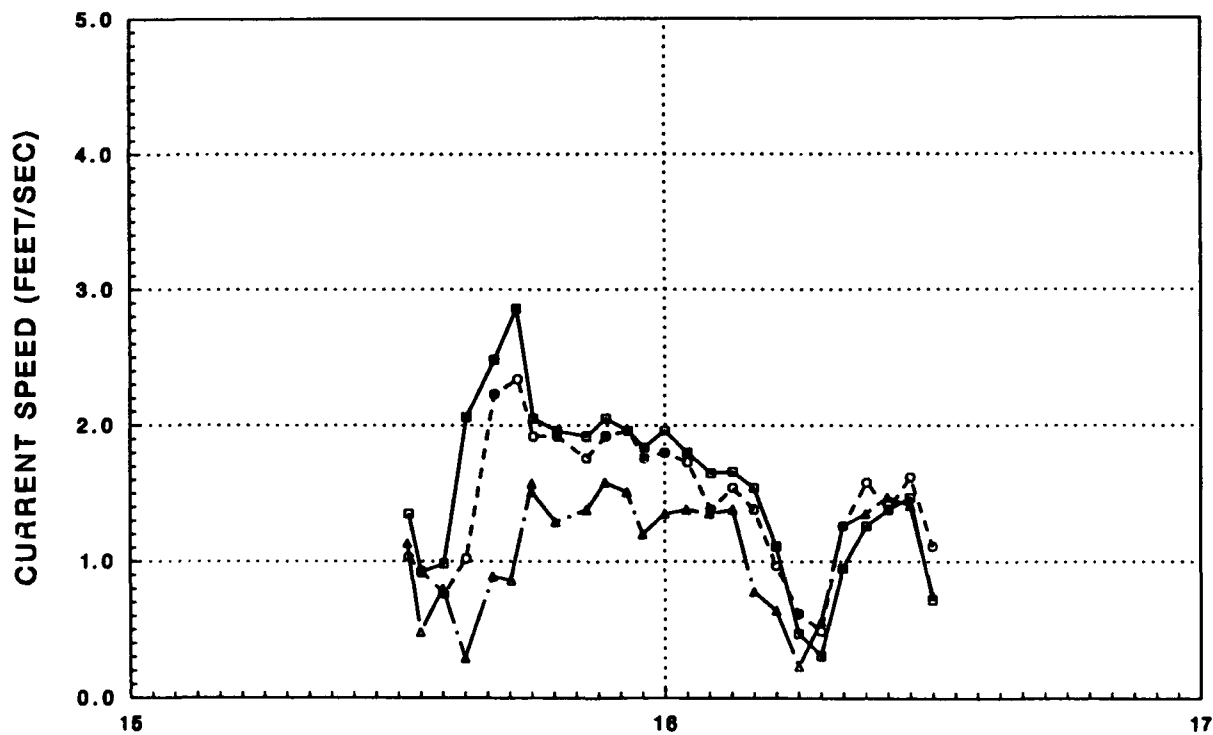
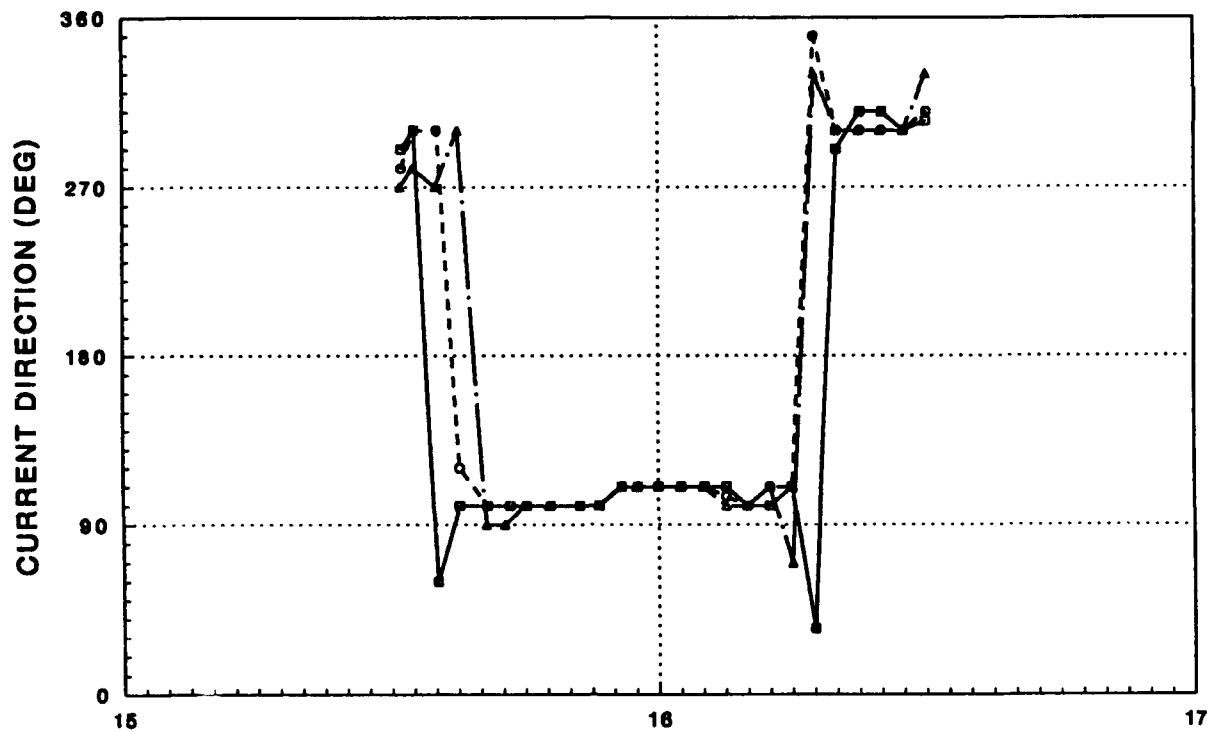


APRIL, 1987

STATIONS:

- MOUTH OLD PASS, TOP
- MOUTH OLD PASS, MIDDLE
- ▲ MOUTH OLD PASS, BOTTOM

**EAST PASS, FLORIDA
CURRENT VELOCITY CURVES**

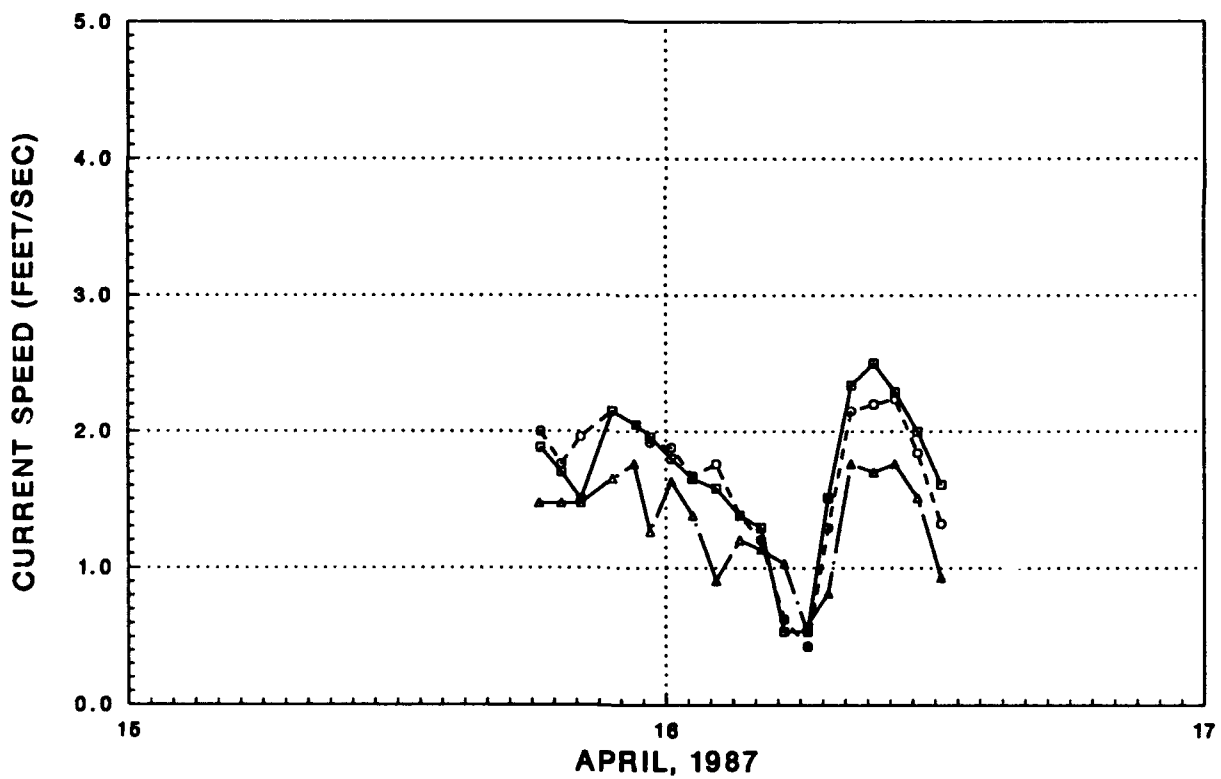
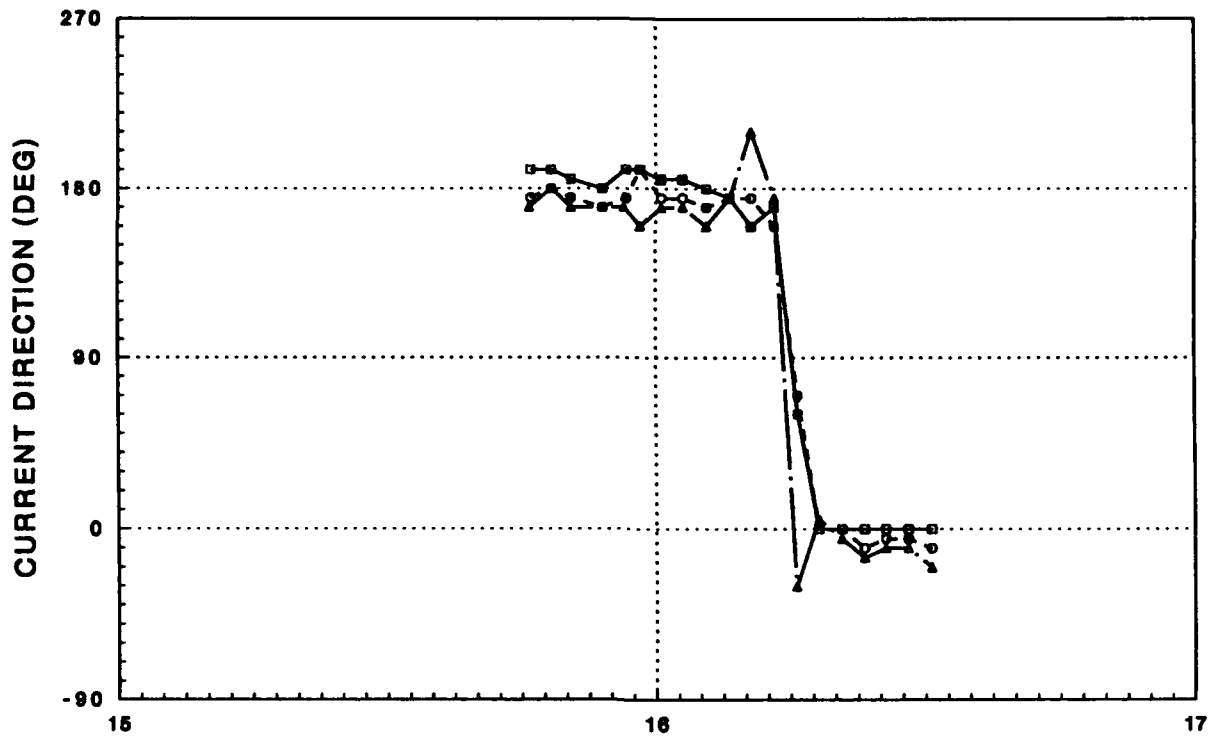


APRIL, 1987

STATIONS:

- WEST CHANNEL, TOP
- WEST CHANNEL, MIDDLE
- ▲ WEST CHANNEL, BOTTOM

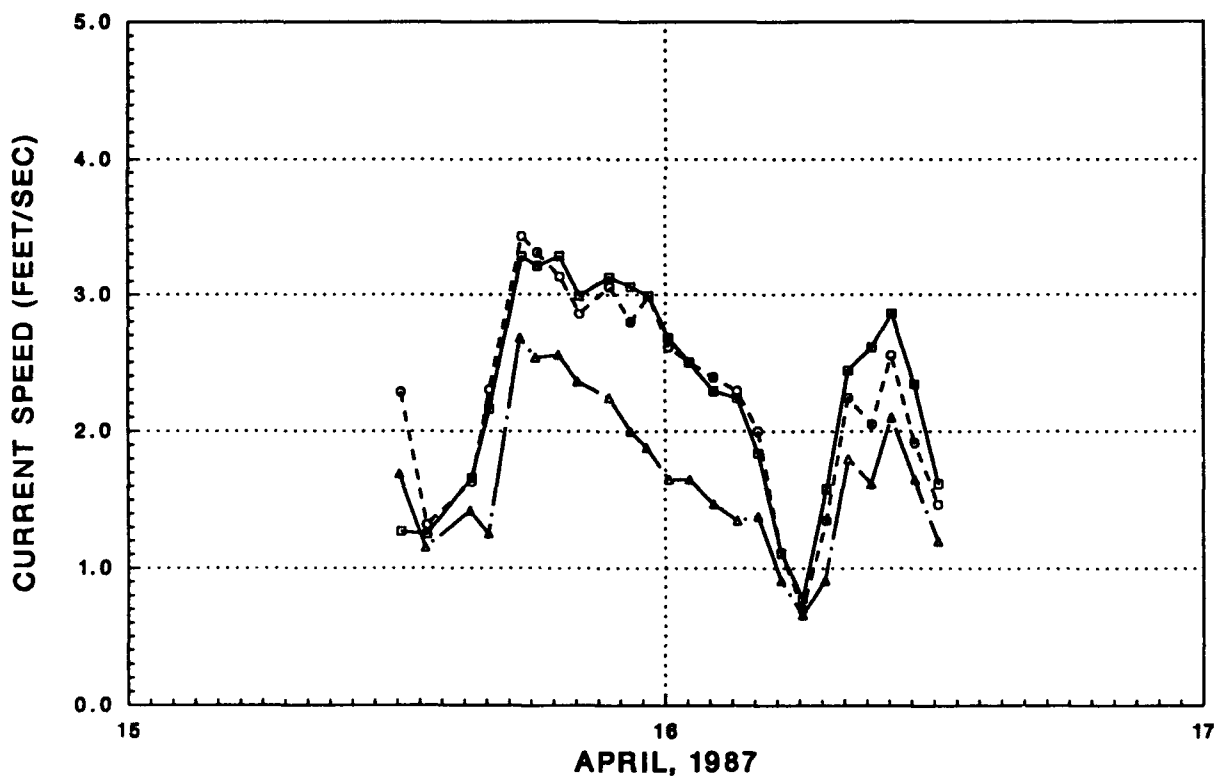
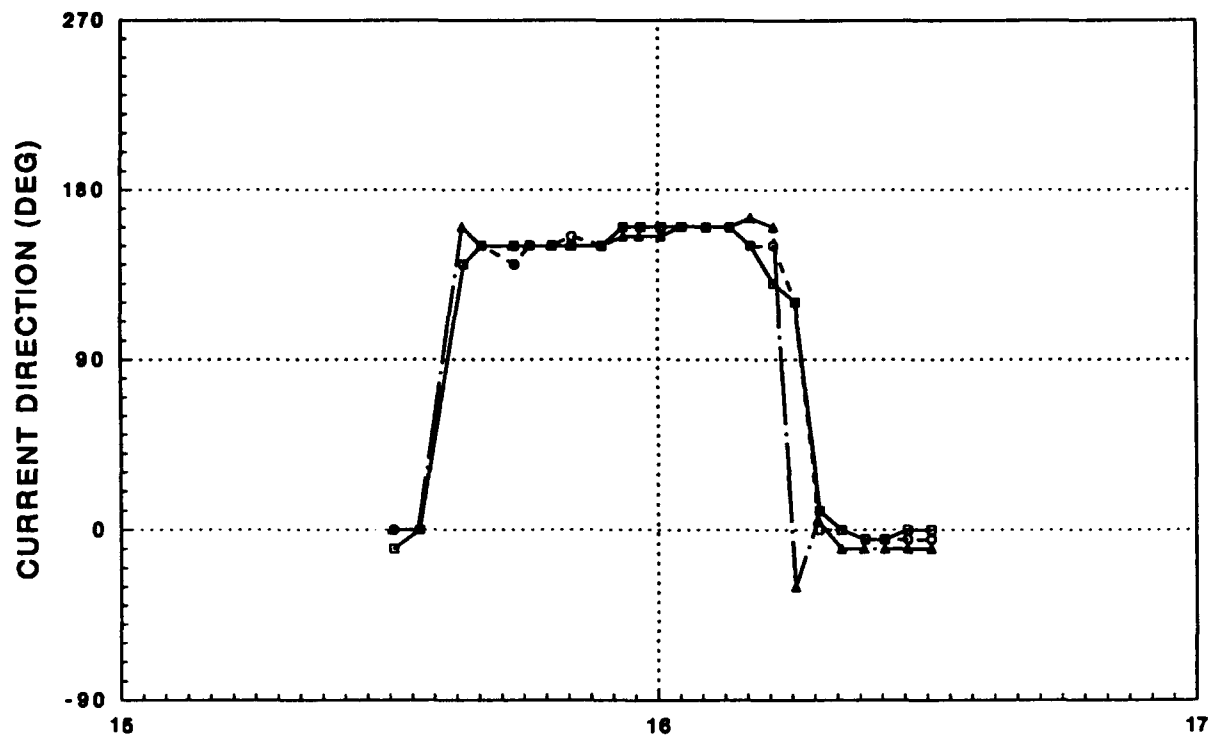
**EAST PASS, FLORIDA
CURRENT VELOCITY CURVES**



STATIONS:

- E CHANNEL LEFT BANK, TOP
- E CHANNEL LEFT BANK, MID
- △ E CHANNEL LEFT BANK, BOT

**EAST PASS, FLORIDA
CURRENT VELOCITY CURVES**



STATIONS:

- E CHANNEL RIGHT BANK, TOP
- E CHANNEL RIGHT BANK, MID
- ▲ E CHANNEL RIGHT BANK, BOT

**EAST PASS, FLORIDA
CURRENT VELOCITY CURVES**

Waterways Experiment Station Cataloging-in-Publication Data

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